

Service Manual

Convertible Camera
AW-E800E



SPECIFICATIONS

Pickup element :	2/3" interline, supersensitive CCDx3
Pixels :	936 (H) x 575 (V) pixels
Scanning :	2:1 interlace
System :	PAL
Scanning frequency :	15.625 kHz (horizontal), 50.00 Hz (vertical)
Lens mount :	2/3" Standard bayonet mount
Synchronizing :	Internal or external
External sync input :	BB, (BNC, 50P D sub connector)
Sensitivity :	2 000 lx, F11, 3 200 K
Minimum illumination :	1 lx, F1.7, Night Eye mode
Signal-to-noise ratio :	60 dB (DTL OFF)
Aspect Ratio :	16 : 9, 4 : 3
Horizontal resolution :	800 TV lines (high band DTL ON, 16 : 9), 850 TV lines (high band DTL ON, 4 : 3)
Registration :	0.05 %
Contour correction :	Horizontal and vertical
White balance :	Auto (2 memories), 3 200 K, 5 600 K, FINE MANU, ATW
Black balance :	AUTO
Colour bar :	Full colour bar (Setup 0)
Shutter speed :	Synchro Scan: 50.40 Hz-15.63 kHz Step shutter: OFF 1/120, 1/250, 1/500, 1/1 000, 1/2 000, 1/4 000, 1/10 000s ELC
Gain :	AGC LOW/HIGH, 0 - 30 dB, NIGHT EYE
Video output :	Composite: 1 V[p-p] (75 Ω) (BNC, 50P D sub connector) Y: 1 V[p-p] (75 Ω) (50P D sub connector) C: Same as VBS chroma level (75 Ω) (50P D sub connector)
Use mode :	Halogen, Fluorescent, Outdoor, User
Switches :	BACK PANEL: MENU, ITEM/AWC, YES/ABC, NO/BAR MENU ITEM SETTING: Gain, Shutter, White Balance, Detail Level (OFF/LOW/HIGH), Corner Detail, Precision Detail Level, Black Stretch, High Light Chroma, Flesh Noise Suppress, Photometric Measurement Method (ALL/CENTRE/TOP CUT/BOTTOM CUT/R/L CUT) CCD Read Out Mode (FIELD/FRAME 1/FRAME 2), Use Mode, Nega/Posi, PC Control Access Speed, Aspect Ratio (16 : 9/4 : 3), Fan (ON/OFF)

Panasonic

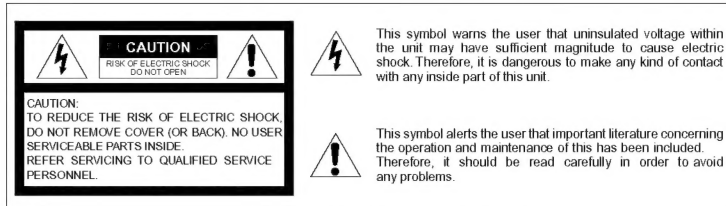
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WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.

It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.

Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.



IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are indicated by the "△" mark on the schematic diagram and the replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-radiation, shock, fire, or other hazards. Do not modify the original design without permission of manufacture.

Adjustment function :

MENU ADJUSTMENT: R/B Gain, R/B Pedestal, Black Level, Video Level, Detecting Ratio, Genlock Horizontal Phase/Colour Phase, Gamma Compensation Level, Knee Compensation Level, White Clip Level, Horizontal Detail Level, Vertical Detail Level, Detail Band, Noise Suppress Compensation Level, Level Dependent Compensation Level, Chroma Detail Compensation Level, Dark Detail Compensation Level, Matrix Compensation Level, Flare Correction Level

Source voltage :

DC 12 V

Power consumption :

14.4 W

Operating temperature :

-10°C to +45°C (14°F to +113°F)

Operating humidity :

30 % to 90 %

Dimensions :

84 (W) x 92 (H) x 192 (D) mm [3-5/16" x 3-5/8" x 7-9/16"]

Weight :

1.07 kg

Finish :

AV ivory painting (Munsell 7.9Y 6.8/0.8 or equivalent)

Weight and dimensions indicated are approximate.

Specifications are subject to change without notice.

STANDARD ACCESSORIES

Body cap 1
Rubber Sheet 1

Mounting Adaptor 1
Screw 2

OPTIONAL ACCESSORIES

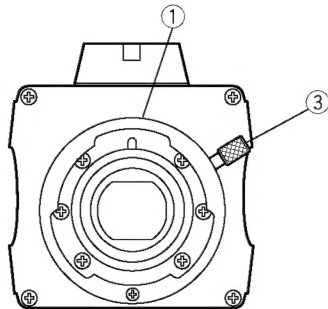
Pan/Tilt Unit	AW-PH300	Cable Joint Adaptor	WV-CA26T26
Pan/Tilt Unit AC Adaptor	AW-PS300	RCB Cable	AW-CA50T10
Hybrid Control Panel	AW-RP501	RCB Extension Cable	AW-CA50B10
Multi Hybrid Control Panel	AW-RP505	RCU Cable	AW-CA50A26
Multi Port Hub	AW-HB505	Pan/Tilt Unit Cable	AW-CA50T15
Control Panel AC Adaptor	AW-PS301	PC Control Camera Pan/Tilt Unit Cable	AW-CA50A15
AC Adaptor	AW-PS505	PC Control Pan/Tilt Unit Cable	AW-CA28T9
Remote Control Unit	WV-RC700A, WV-RC550	PC Control Cable	AW-CA50T9
Remote Control Box	WV-CB700A	DC Power Cable	AW-CA4T1
Camera Mounting Bracket	WV-831	RGB Cable	AW-CA50T6
RCU Rack Mount Frame	WV-Q70	Studio Card (RGB, YPr-YPb Outputs)	AW-PB301E
VF Mounting Bracket	AW-Q40	Studio Card (Y, C Outputs)	AW-PB305E
Connection Cable	WV-CA9T5	RGB Card	AW-PB302E
(D sub9p-BNC, approx. 5 m)		High Sensitivity Card	AW-PB303E
Studio Cable	WV-CA26U15	SDI Card	AW-PB304E
	WV-CA26U30	Lens I/F Card	AW-PB308E
	WV-CA26U100		

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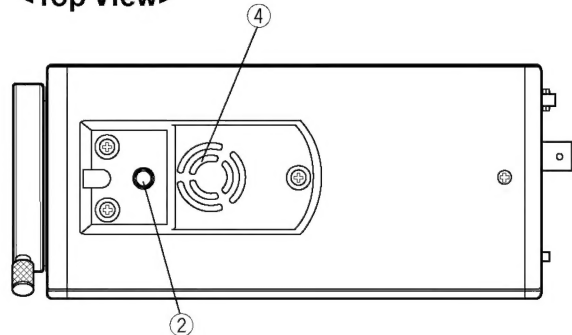
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MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS

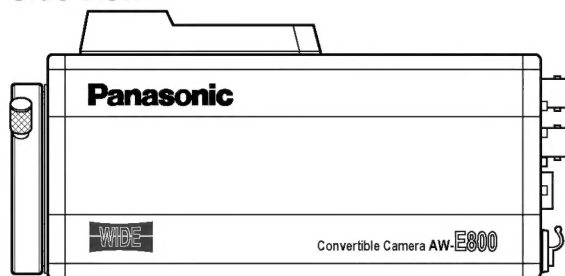
<Front View>



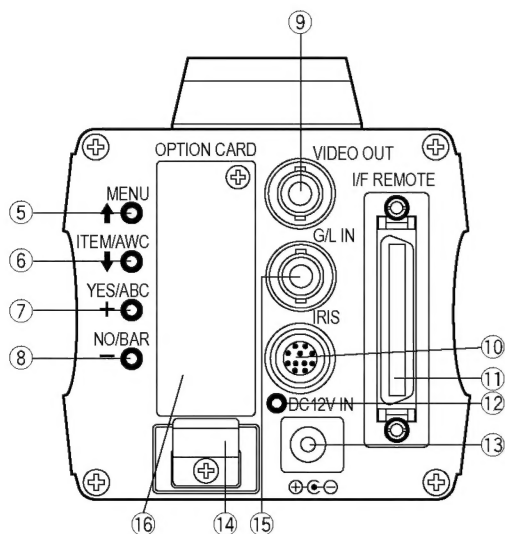
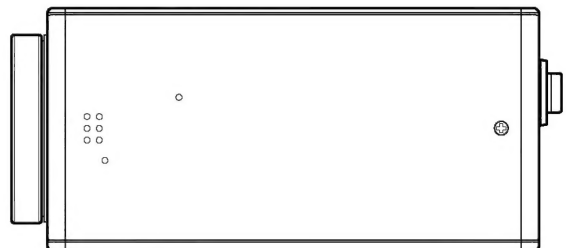
<Top View>



<Side View>



<Bottom View>



1. Lens Mount

2/3" Standard bayonet type lens or a microscope adaptor can be mounted.

2. Mounting hole

A screw hole (1/4" - 20 UNC) for mounting the camera on a wall, ceiling with a mounting bracket or tripod.

3. Lens fixing ring knob

Rotate the lens fixing ring knob counterclockwise and remove the lens mount cap. Mount the lens on the camera and rotate the lens fixing ring knob clockwise in order to fix the lens securely.

4. Cooling Fan

- Do not cover the port or otherwise block ventilation during operation. Internal heat buildup can cause a fire.
- The cooling fan has a service life of about 30 000 hours. (at a room temperature of 25°C) Replace the fan that has come to the end of its service life. (If the fan is used at a room temperature of 35°C, replace it about 30% sooner.)

Whenever fan replacement is necessary, be sure to ask the store where you purchased the set.

5. MENU Switch (MENU/↑)

A menu will appear on the monitor screen when this switch is pressed for about 5 seconds. This item can be selected by pressing the switch while the menu is on the screen.

6. ITEM/AWC Switch (ITEM/AWC/↓)

The item just below can be selected by pressing this switch while the menu is on the screen. When the menu is not displayed or the camera is in shooting mode, the automatic white balance control can be set with this switch.

7. YES/ABC Switch (YES/ABC/+)

The Sub Menu for each item of the Main Menu is displayed when this switch is pressed while the Main Menu is on the screen.

While the Sub Menu is displayed, any setting can be brought up to a higher value with this switch. When the menu is not displayed or the camera is in shooting mode, the automatic black balance control can be set with this switch.

8. NO/BAR Switch (NO/BAR/-)

The item just below can be selected by pressing this switch while the Sub Menu is on the screen.

While the Sub Menu is displayed any setting can be brought down to a lower value with this switch. When the menu is not displayed or the camera is in shooting mode, the color (colour) bar and the shooting conditions are alternately indicated by pressing the switch.

9. Video Output Connector (VIDEO OUT)

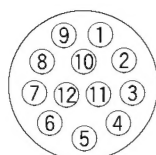
A composite video signal is provided at this connector.

10. Iris Connector (IRIS)

Input terminal for lens with an iris control function.

Pin No.	Signal	Pin No.	Signal
1	Return Control	7	Iris Follow
2	Not Used	8	Auto/Remote Control
3	GND	9	Not Used
4	Auto/Manual Control	10	Not Used
5	Iris Control	11	Not Used
6	Lens Power	12	Not Used

Iris Connector (IRIS)



<Front View>

11. I/F Remote Connector (I/F REMOTE)

Input terminal dedicated to control signals from the optional Remote Control Box (RCB) (WV-CB700A) and the RCU (WV-RC700A, WV-RC550) and the camera pan/tilt unit (AW-PH300).

- * WV-CB700A is connected through the optional RCB cable (AW-CA50T10/AW-CA50B10).
- * WV-RC700A/WV-RC550 is connected through the optional RCU cable (AW-CA50A26).
- * AW-PH300 is connected through the optional pan/ tilt unit cable (AW-CA50T15/AW-CA50A15).

12. Power Indicator

Red LED lamp lights to indicate that the specified DC power is supplied to the camera.

13. DC 12 V Input Connector (DC 12V IN)

12 V DC is supplied through the optional DC power supply cable (AW-CA4T1).



Cautions

1. Connect this to a DC 12 V class 2 power supply only.
2. To prevent fire or shock, the UL listed wire VW-1, style 1007 should be used as for the cable for DC 12 V Input Connector.

14. Cable Clamp

Clamp the DC Power Supply Cable (AW-CA4T1) connected to the DC 12 V Input Connector to prevent it from slipping out.

15. G/L Input Connector (G/L IN)

Signals synchronized with the reference signal are to be supplied to this connector when the camera is to be synchronized with the reference signal BB.

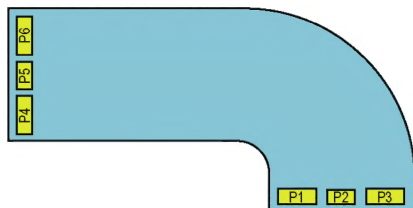
16. Optional Card Slot

Slot for inserting an optional card. For details, refer to the manual for optional cards.

ADJUSTMENT PROCEDURE

1. Test Equipment Required

- The following test Equipments are required for adjustment of the Convertible Camera AW-E800/AW-E800E.
- Oscilloscope
- Frequency Counter
- Digital Voltmeter
- Vectorscope
- Waveform Monitor
- Underscanned Color (Colour) Video Monitor (correspond to Wide Picture)
- High Resolution Black and White Video Monitor (correspond to Wide Picture)
- Signal Generator
- 12 V DC Power Supply Unit
- Lux Meter
- Lighting (200 footcandles (2,000 lx), Color (Colour) Temperature 3,200 K)
- Auto Iris Lens (2/3" Bayonet-Mount)
- Camera Cables AW-CA50T6
- Remote Control Box (WV-CB700A)
- 1/2 ND Filter (2 pieces)
- RCB Cable (AW-CA50T10)
- Logarithmic Gray Scale Chart (Part No. : YWV2310RB99)
- Extension Board between Joint Board and Analog Process or DSP Board (Part No. : 0E1A055A)



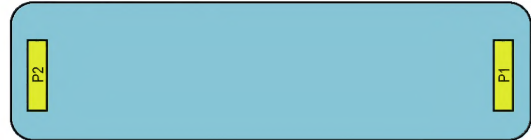
- Extension Board between DSP Board and Encoder Board (Part No. : 0E1A058A)



- Extension Board between DSP Board and Drive Board (Part No. : 0E1A056A)



- Extension Board between DSP Board and Encoder Board (Part No. : 0E1A057A)



- Extension Board between Gch of CCD and Analog Process Board and Drive Board (Part No. : 0E1A059A)
This Extension Board including three boards.
Extension Board between Bch CCD and Gch CCD
Extension Board between Rch CCD and Gch CCD
Extension Board between Gch CCD and Drive Board



Extension Board between Gch of CCD and Drive Board



Extension Board between Gch of CCD and Analog Process Board



2. Disassembling Procedure for Adjustment

- Referring to Fig. 2-1, remove four screws that secure the Rear Panel and remove the Rear Panel.

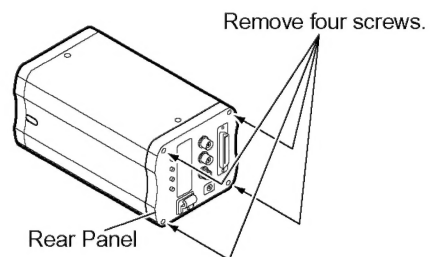


Fig. 2-1

3. Connection and Setting Up for Adjustment

3.1. Connection

- The Fig. 3-1 shows the connection diagram for the adjustment procedure.

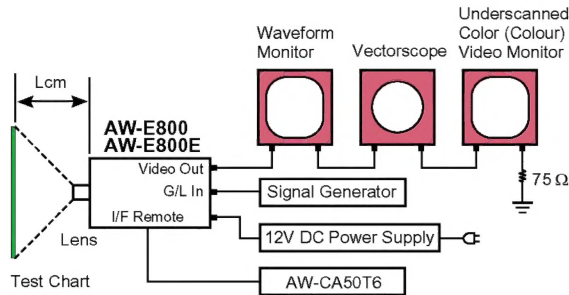


Fig. 3-1

- Connect the Underscanned Color (Colour) Video Monitor to the Video Output Connector on the Rear Panel of the Convertible Camera AW-E800/AW-E800E through the Waveform Monitor and the Vectorscope.
- Terminate the input terminal of the Underscanned Color (Colour) Video Monitor with 75 Ω.
- Mount the Auto Iris Lens to the AW-E800/AW-E800E.
- Connect the Power Supply Unit to the DC 12 V Input Connector on the Rear Panel of the AW-E800/AW-E800E.
- For the Optional Card AW-PB301/AW-PB301E and AW-PB302/AW-PB302E, connect the AW-CA50T6 to the I/F Remote Connector on the Rear Panel of the AW-E800/AW-E800E.
- Terminate the Connectors of the AW-CA50T6 with 75 Ω.
- Connect the probe of the Digital Voltmeter, Oscilloscope or Frequency Counter at the desired Test Point in each adjustment step.

3.2. Setting Up for Standard Picture

- The adjustment should be done after 10 minutes warm-up.
- Set the Logarithmic Gray Scale Chart.
- Incident light of 2,000 lx on the Logarithmic Gray Scale Chart.
- Aim the Camera at the Logarithmic Gray Scale Chart.
- Set the Camera so that the Logarithmic Gray Scale Chart becomes full picture on the Underscanned Color (Colour) Video Monitor.
- Connect the Oscilloscope to E301 (G-IN) on the Analog Process Board.
- Adjust the Lens Focus to obtain correct focal point.

- Set the Lens Iris so that the peak level of the Gray Scale from the Blanking level becomes 270 mVp-p as shown in Fig. 3-2.

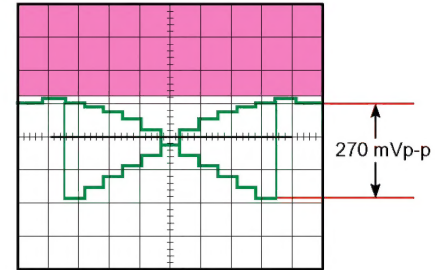


Fig. 3-2

- The adjustments should be done with this Standard Picture, unless otherwise specified.

4. Adjustment Procedure

- Refer to the Location of the Test Points and Adjusting Controls on the page 10.

(1). Internal Frequency Adjustment

- Test Point:** TP6 (INT 28M) **DSP Board**
Adjust: R140 (INT 28M) **Encoder Board**
- Connect the Frequency Counter to TP6.
 - Adjust R140 so that the Internal Frequency becomes 28.636364 MHz \pm 10 Hz for AW-E800 (28.375 MHz for AW-E800E).

(2). OG Voltage Adjustment

- Test Point:** E16 (OG-R) **Drive Board**
E15 (OG-G) **Drive Board**
E14 (OG-B) **Drive Board**
Adjust: R119 (OG-R) **Drive Board**
R116 (OG-G) **Drive Board**
R113 (OG-B) **Drive Board**
- Connect the Oscilloscope to E16.
 - Adjust R119 so that the Rch OG level becomes 1.5 V.
 - Change the connection of the Oscilloscope to E15.
 - Adjust R116 so that the Gch OG level becomes 1.5 V.
 - Change the connection of the Oscilloscope to E14.
 - Adjust R113 so that the Bch OG level becomes 1.5 V.

(3). RG Voltage Adjustment

Test Point:	E301 (G-IN)	Analog Process Board
	E101 (R-IN)	Analog Process Board
	E501 (B-IN)	Analog Process Board
Adjust:	R59 (RG-G)	Drive Board
	R61 (RG-R)	Drive Board
	R57 (RG-B)	Drive Board

- Open the Lens Iris.
- Connect the Oscilloscope to E301.
- Adjust R59 so that the saturation level of Gch becomes maximum and the distortion in the circle area becomes minimum as shown in Fig. 4-1.
- Change the connection of the Oscilloscope to E101.
- Adjust R61 so that the saturation level of Rch becomes maximum and the distortion in the circle area becomes minimum as shown in Fig. 4-1.
- Change the connection of the Oscilloscope to E501.
- Adjust R57 so that the saturation level of Bch becomes maximum and the distortion in the circle area becomes minimum as shown in Fig. 4-1.

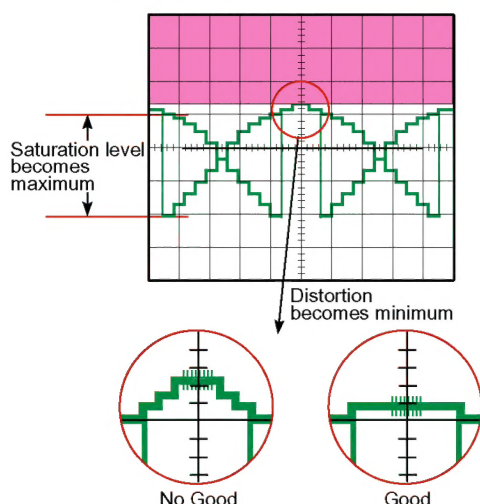


Fig. 4-1

(4). VSUB Voltage Adjustment

Adjust:	R1 (VSUB-B)	Drive Board
	R2 (VSUB-G)	Drive Board
	R3 (VSUB-R)	Drive Board

Observe: Video Monitor

- Aim the Camera at the 40-watt Lamp placed in the dark background.
- Open the menu and set the electronic shutter speed to 1/500.
- Open the Lens Iris so that the blooming becomes visible.

- Adjust R1 so that the blooming and noise of Bch on the Video Monitor become minimum as shown in Fig. 4-2.
- Adjust R2 so that the blooming and noise of Gch on the Video Monitor become minimum as shown in Fig. 4-2.
- Adjust R3 so that the blooming and noise of Rch on the Video Monitor become minimum as shown in Fig. 4-2.

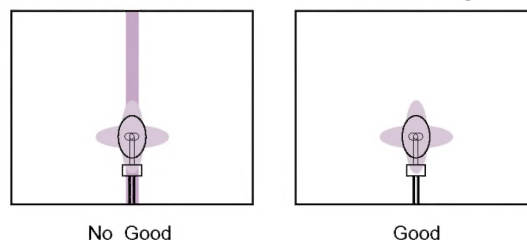


Fig. 4-2

- Open the menu and turn off the electronic shutter.

(5). Preamp. Adjustment

Test Point:	E307 (G)	Analog Process Board
	E507 (B)	Analog Process Board
	E107 (R)	Analog Process Board
Adjust:	R323 (G-WC)	Analog Process Board
	R123 (R-WC)	Analog Process Board
	R523 (B-WC)	Analog Process Board
	R446 (G-LEVEL)	Analog Process Board
	R328 (G-DC)	Analog Process Board
	R646 (B-LEVEL)	Analog Process Board
	R528 (B-DC)	Analog Process Board
	R246 (R-LEVEL)	Analog Process Board
	R128 (R-DC)	Analog Process Board

- Observe at E307, E507 and E107 by the Oscilloscope.
- Turn R323, R523 and R123 so that the signals are not clipped as shown in Fig. 4-3.
- Turn R328, R528 and R128 so that the signals do not go below the Blanking Level as shown in Fig. 4-3.



Position of White Clip VR Position of Preamp. DC VR

Fig. 4-3

- Connect the Oscilloscope to E307.
- Adjust R446 so that G-Level becomes 300 mVp-p as shown in Fig. 4-4.
- Adjust R328 so that the DC voltage at E307 becomes 0 V as shown in Fig. 4-4.
- Change the connection of the Oscilloscope to E507.
- Adjust R646 so that B-Level becomes 300 mVp-p as shown in Fig. 4-4.

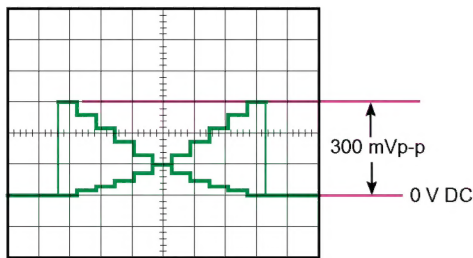


Fig. 4-4

- Adjust R528 so that the DC voltage at E507 becomes 0 V as shown in Fig. 4-4.
- Change the connection of the Oscilloscope to E107.
- Adjust R246 so that R-Level becomes 300 mVp-p as shown in Fig.4-4.
- Adjust R128 so that the DC voltage at E107 becomes 0 V as shown in Fig.4-4.

(6). White Clip Adjustment

Test Point:	E307 (G)	Analog Process Board
	E107 (R)	Analog Process Board
	E507 (B)	Analog Process Board
Adjust:	R323 (G-WC)	Analog Process Board
	R123 (R-WC)	Analog Process Board
	R523 (B-WC)	Analog Process Board

- Set the Lens Iris by more than three digits to the open direction.
- Connect CH1 of the Oscilloscope to E307 and CH2 of the Oscilloscope to E107.
- Adjust R323 and R123 so that the two signal levels coincide with each other from 1.4 Vp-p to 1.8 Vp-p as shown in Fig. 4-5.

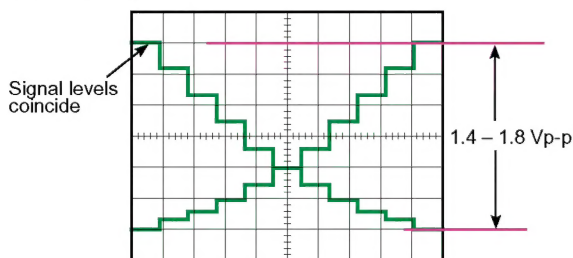


Fig. 4-5

- Change the connection of CH2 of the Oscilloscope to E507.
- Adjust R523 so that the signal level at E507 coincides with the signal level at E307 as shown in Fig. 4-5.

(7). Automatic Adjustment

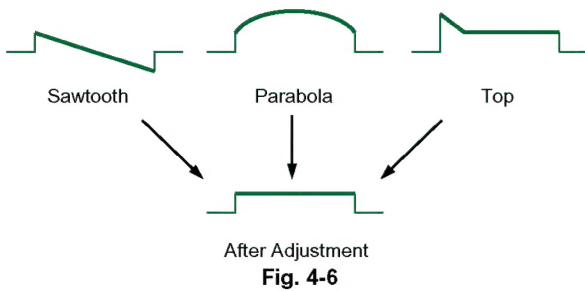
Test Point:	E307 (G)	Analog Process Board
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- Set the Lens Iris to the Automatic side.
- Turn the power ON while pressing the ITEM/AWC (↓) Switch YES/ABC (+) Switch and NO/BAR (-) Switch on the Rear Panel of the AW-E800/AW-E800E.
- The Automatic Adjustment Menu is displayed, set the Lens Iris to the Manual side.
- Connect the Oscilloscope to E307.
- Set the Lens Iris so that the peak level of the Gray Scale from the Blanking level becomes 300 mVp-p as shown in Fig. 4-4.
- Press the YES/ABC (+) Switch.
- Move to the Automatic Adjustment Item by the ITEM/AWC (↓) Switch.
- Set the Lens Iris to the Automatic side.
- Press the YES/ABC (+) Switch, and confirm that the Automatic Adjustment should be finished and displayed "OK".
- Turn the power OFF and ON again so that the Camera return to the Normal mode.

(8). Dark Shading Adjustment

Test Point:	E305 (G-OUT)	Analog Process Board
	E105 (R-OUT)	Analog Process Board
	E505 (B-OUT)	Analog Process Board
Adjust:	R776 (G-H PARA)	Analog Process Board
	R785 (G-H SAW)	Analog Process Board
	R803 (G-V TOP)	Analog Process Board
	R767 (V TOP WIDTH)	Analog Process Board
	R774 (R-H PARA)	Analog Process Board
	R783 (R-H SAW)	Analog Process Board
	R801 (R-V TOP)	Analog Process Board
	R778 (B-H PARA)	Analog Process Board
	R787 (B-H SAW)	Analog Process Board
	R805 (B-V TOP)	Analog Process Board

- Close the Lens Iris.
- Open the menu and set the gain to 30 dB.
- Connect the CH1 of the Oscilloscope to E305.
- Turn R776, R785, R803, R767, R774, R783, R801, R778, R787 and R805 to their mechanical center.
- Trigger the Oscilloscope at TP4 on the DSP Board.
- Adjust R776 so that the H Parabola shading of Gch becomes minimum as shown in Fig. 4-6.



- Adjust R785 so that the H Sawtooth shading of Gch becomes minimum as shown in Fig. 4-6.
- Trigger the Oscilloscope at TP5 on the DSP Board.
- Adjust R803 so that the V Top shading of Gch becomes minimum as shown in Fig. 4-6.
- Adjust R767 to compensate the width of the V Top shading.
- Repeat to adjust R776, R785, R803 and R767 until the shading of Gch output becomes minimum as shown in Fig. 4-6.
- Connect the CH2 of the Oscilloscope to E105.
- Trigger the Oscilloscope at TP4 on the DSP Board.
- Adjust R774 so that the H Parabola shading of Rch becomes minimum as shown in Fig. 4-6.
- Adjust R783 so that the H Sawtooth shading of Rch becomes minimum as shown in Fig. 4-6.
- Trigger the Oscilloscope at TP5 on the DSP Board.
- Adjust R801 so that the V shading of Rch becomes minimum as shown in Fig. 4-6.
- Repeat to adjust R774, R783 and R801 until the shading of Rch output becomes same as Gch.
- Change the connection of the CH2 of the Oscilloscope to E505.
- Trigger the Oscilloscope at TP4 on the DSP Board.
- Adjust R778 so that the H Parabola shading of Bch becomes minimum as shown in Fig. 4-6.
- Adjust R787 so that the H Sawtooth shading of Bch becomes minimum as shown in Fig. 4-6.
- Trigger the Oscilloscope at TP5 on the DSP Board.
- Adjust R805 so that the V Top shading of Bch becomes minimum as shown in Fig. 4-6.
- Repeat to adjust R778, R787 and R805 until the shading of Bch output becomes same as Gch.

(9). High Sensitivity Shading Adjustment

Test Point: R801 (Observing Point 1)

Analog Process Board

R805 (Observing Point 2)

Analog Process Board

Adjust: R760 (H-TOP)

Analog Process Board

R805 (B-VTOP)

Analog Process Board

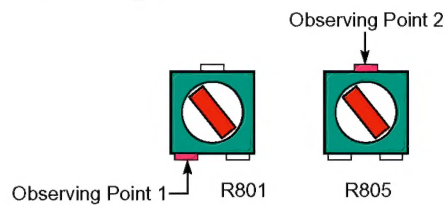
R803 (G-VTOP)

Analog Process Board

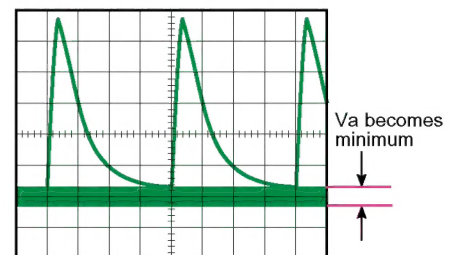
R801 (R-VTOP)

Analog Process Board

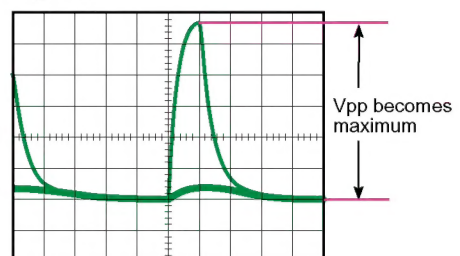
- Insert the High Sensitivity Card AW-PB303/AW-PB303E to the AW-E800/AW-E800E.
- Set the Gain to 30 dB and the Accumulation Time to two seconds on the AW-PB303/AW-PB303E.
- Connect the Oscilloscope to the Observing Point 1 (R801) as shown in Fig. 4-7.



- Adjust R760 so that Va voltage becomes minimum as shown in Fig. 4-8.



- Change the connection of the Oscilloscope to the Observing Point 2 (R805) as shown in Fig. 4-7.
- Adjust R805 so that Vpp voltage becomes maximum as shown in Fig. 4-9.



- Change the connection of the Oscilloscope to the Video Output Connector of the AW-E800/AW-E800E.

- Adjust R803 so that the Shading level becomes minimum as shown in Fig. 4-10.

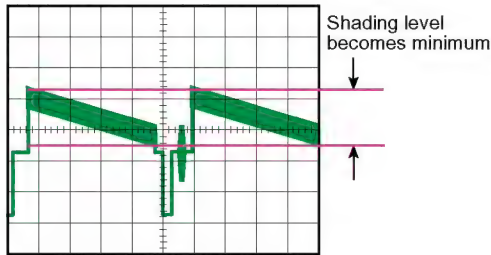


Fig. 4-10

- Adjust R801 so that the Shading level becomes minimum as shown in Fig. 4-10.

(10).1. Color Bar Adjustment for AW-E800

Test Point: Video Output Connector **Rear Panel**
Adjust: R190 (Y-BLK) Encoder Board
R132 (B-CB) Encoder Board
R188 (R-CB) Encoder Board

- Press the NO/BAR (–) switch for over 5 seconds for the color bar mode.
- Set the Set Up to 0 IRE (0 V).
- Adjust R190 so that the Pedestal of the colour bar signal becomes 0 V as shown in Fig. 4-11.
- Set the Set Up to 7.5 IRE (54 mV) as shown in Fig. 4-11.

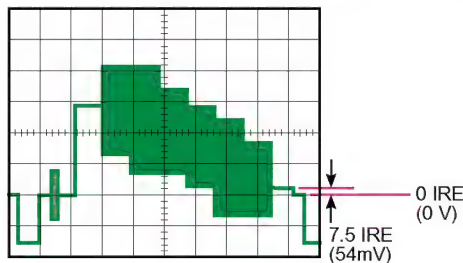


Fig. 4-11

- Adjust R132 and R188 so that the the vector positions at the center as shown in Fig. 4-12.

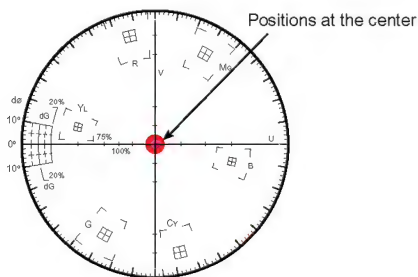


Fig. 4-12

(10).2. Colour Bar Adjustment for AW-E800E

Test Point: Video Output Connector **Rear Panel**
Adjust: R190 (Y-BLK) Encoder Board
R132 (B-CB) Encoder Board
R188 (R-CB) Encoder Board

- Press the NO/BAR (–) switch for over 5 seconds for the colour bar mode.
- Adjust R190 so that the Pedestal of the colour bar signal becomes 0 V as shown in Fig. 4-13.

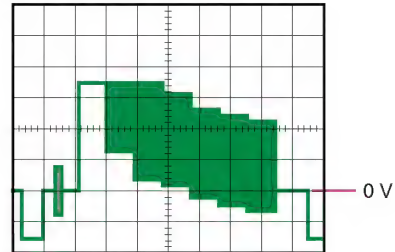


Fig. 4-13

- Adjust R132 and R188 so that the the vector positions at the center as shown in Fig. 4-14.

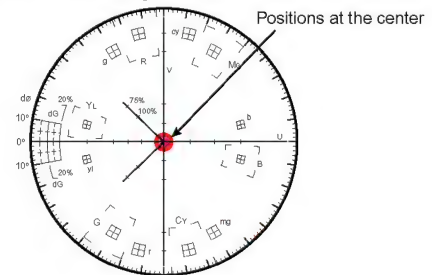


Fig. 4-14

(11). SC/H Adjustment for AW-E800E

Test Point: Video Output Connector **Rear Panel**
Adjust: R192 (SC/H) Encoder Board

- Adjust R192 so that the SC/H vector becomes 0° as shown in Fig. 4-15.

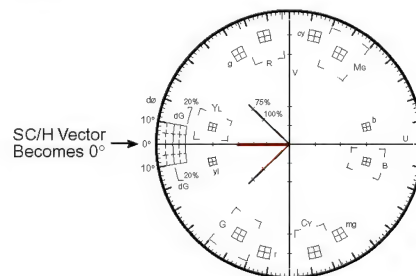


Fig. 4-15

(12). Manual Blemish Concealment and Correction

Test Point: Video Output Connector **Rear Panel**
Adjust: MENU (↑) Switch **Rear Panel**
ITEM/AWC (↓) Switch **Rear Panel**

- Turn the power ON while pressing the ITEM/AWC (↓) Switch and NO/BAR (–) Switch on the Rear Panel of the AW-E800.
- The Menu will be displayed as shown in Fig. 4-16 after execute the Scratch Compensation Mode.

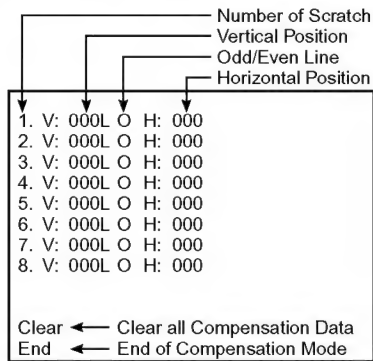


Fig. 4-16

- Select the H Scratch address or V Scratch address by the YES/ABC (+) Switch or NO/BAR (–) Switch.
Press the NO/BAR (–) Switch the address has been changed sequentially as shown in Fig. 4-17 (press the YES/ABC (+) Switch changing sequence has been reversed).

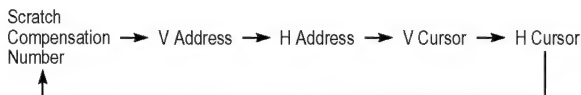


Fig. 4-17

The Cross type Cursor will be displayed in the V Cursor mode and H Cursor mode.

- With the MENU (↑) Switch or the ITEM/AWC (↓) Switch, select the Vertical Address or the Horizontal Address to be compensated.
- In case of Cursor move, the Scratch Compensation Cursors will be displayed on the Monitor as shown in Fig. 4-18.

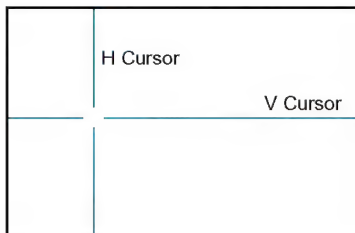


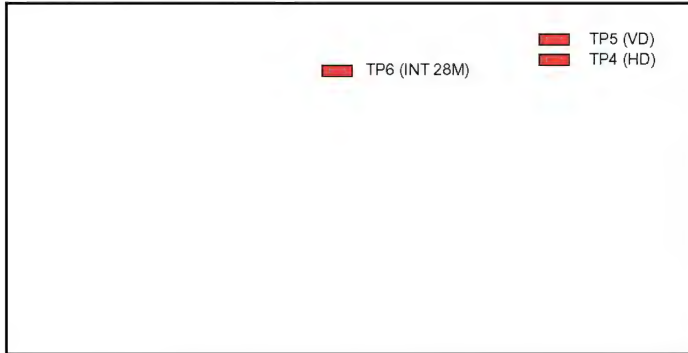
Fig. 4-18

Note : The Cursors are not displayed when the vertical and horizontal coordinate have been (0,0) because of out of effective picture field.

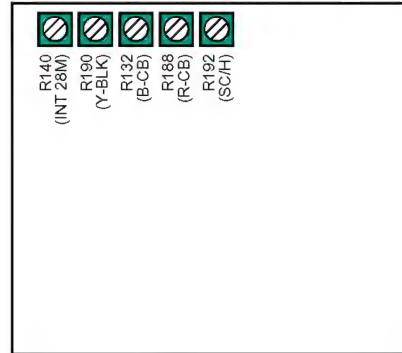
- Operate the Cursor position by the MENU (↑) Switch and the ITEM/AWC (↓) Switch.
- The Scratch is eliminated when the cursors intersection coincides with the scratch position.
- For the next scratch, move the Character Blink to be compensated Scratch Number.
- Operate the cursor position by the MENU (↑) and the ITEM/AWC (↓) Switch.
- The scratch is eliminated when coincide the cursors intersection and scratch position.
- The maximum Compensated Scratch Numbers are eight.
- After completion of compensation, move the character blink to "End" position and press the YES/ABC (+) Switch.

LOCATION OF TEST POINTS AND ADJUSTING CONTROLS

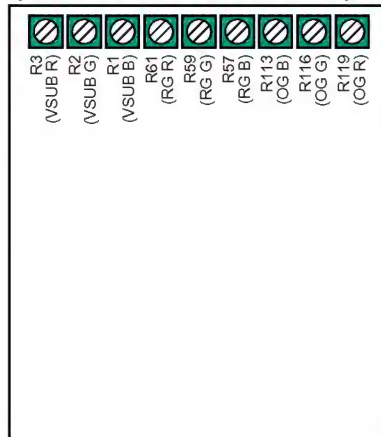
DSP BOARD (PATTERN SIDE)



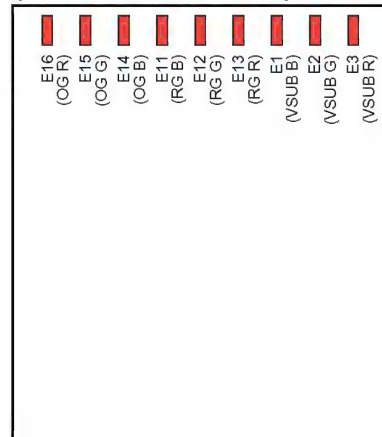
ENCODER BOARD (COMPONENT SIDE)



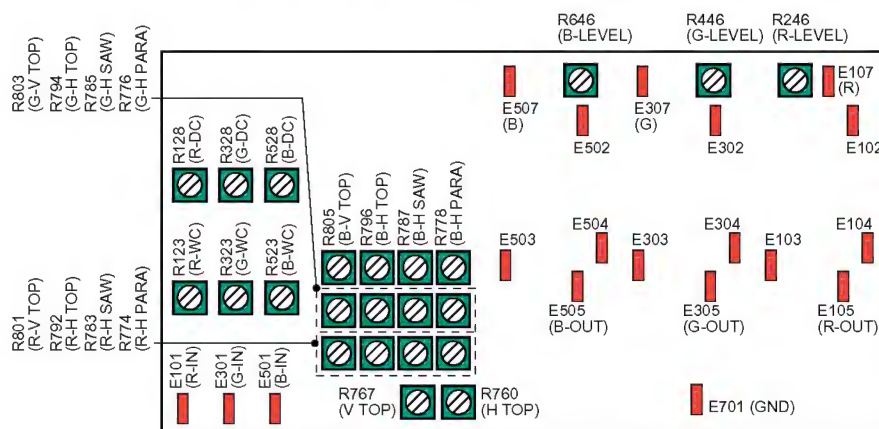
DRIVE BOARD (COMPONENT SIDE)



(PATTERN SIDE)

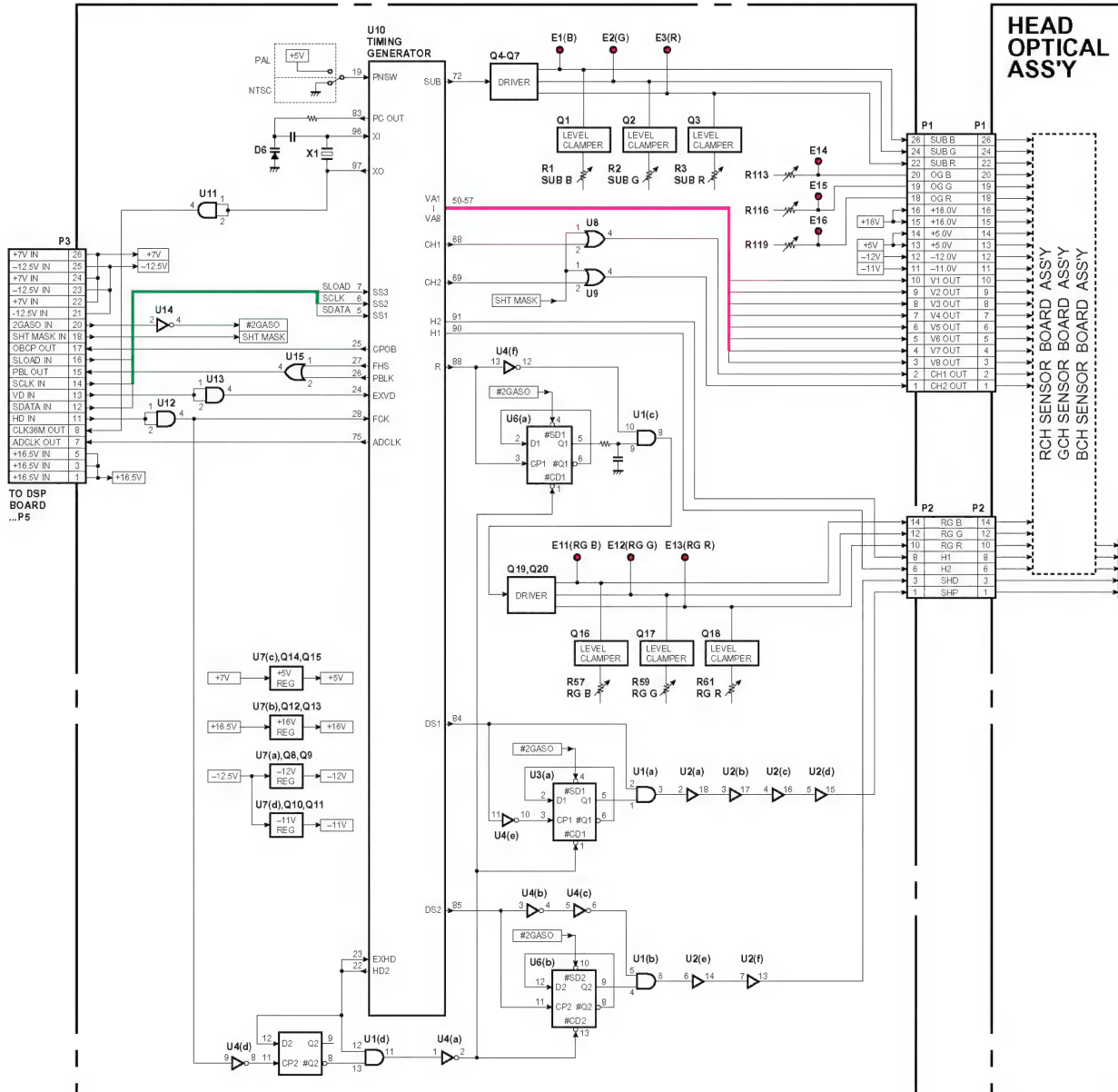


ANALOG PROCESS BOARD (PATTERN SIDE)

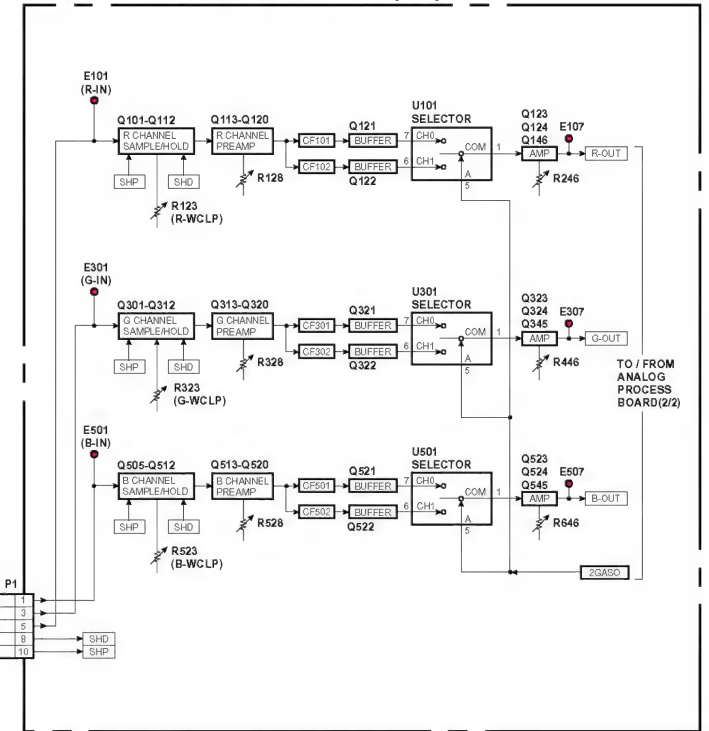


BLOCK DIAGRAM OF DRIVE BOARD / ANALOG PROCESS BOARD (1/2)

DRIVE BOARD

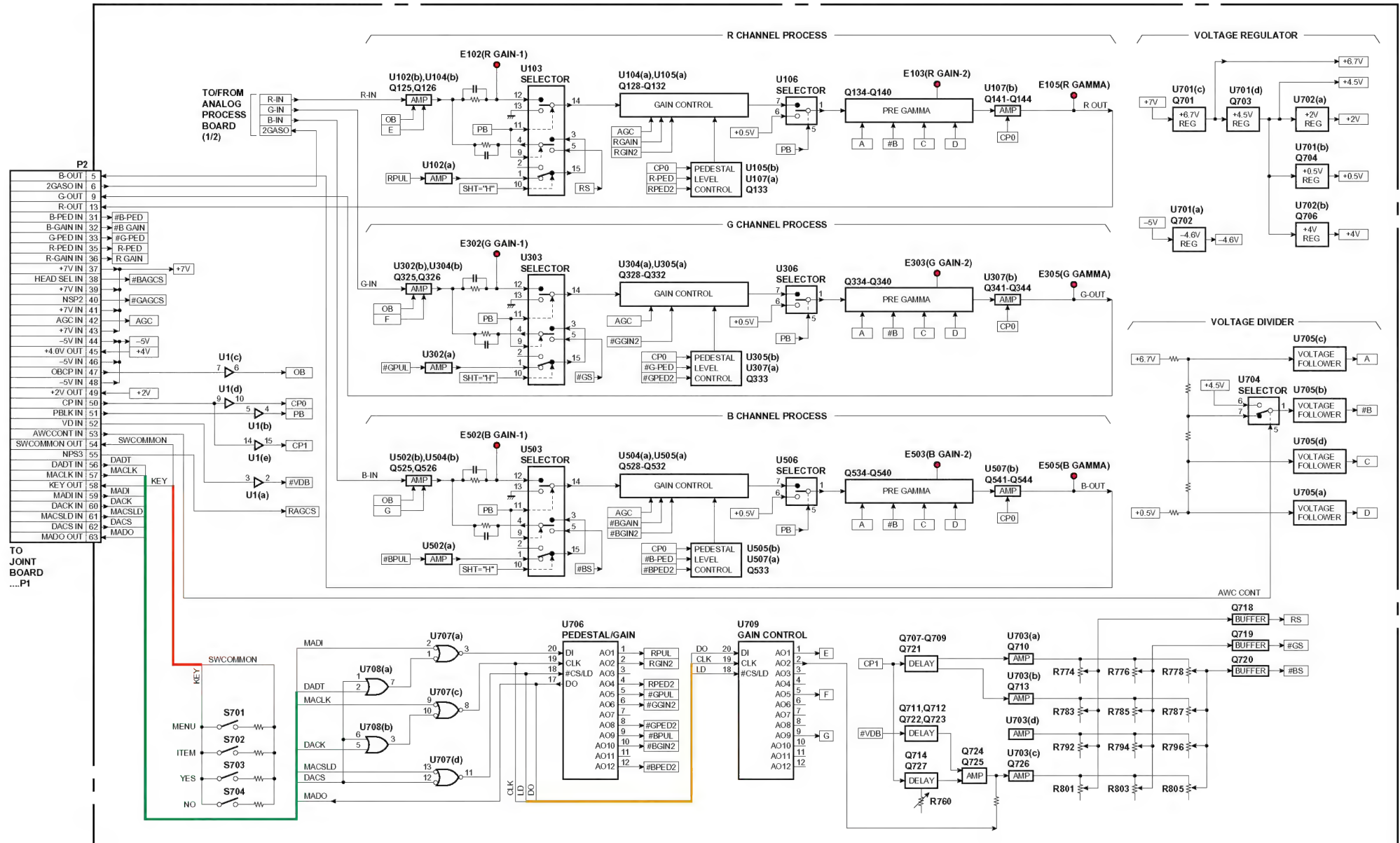


ANALOG PROCESS BOARD (1/2)



BLOCK DIAGRAM OF ANALOG PROCESS BOARD (2/2)

ANALOG PROCESS BOARD (2/2)

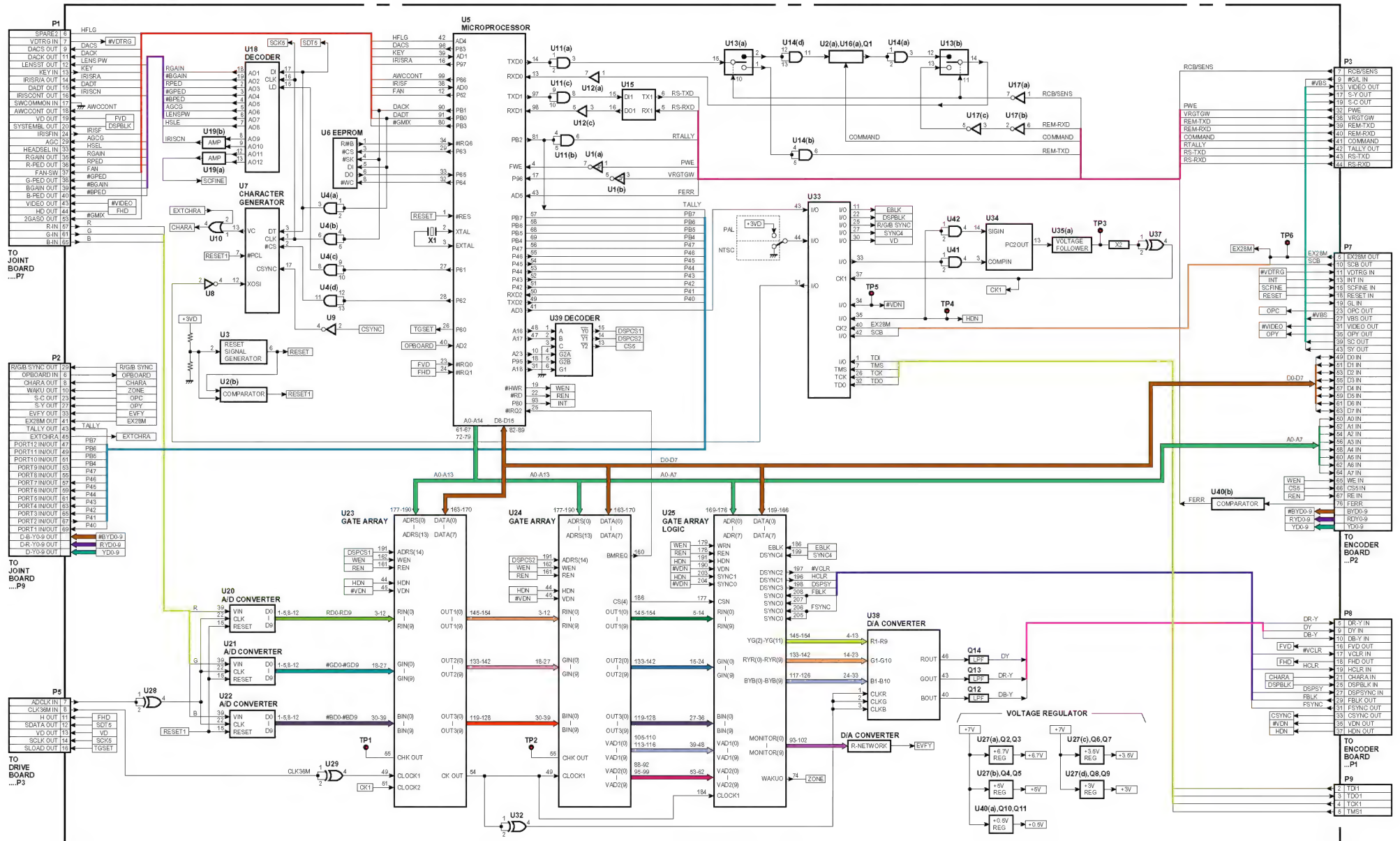


ENCODER BOARD



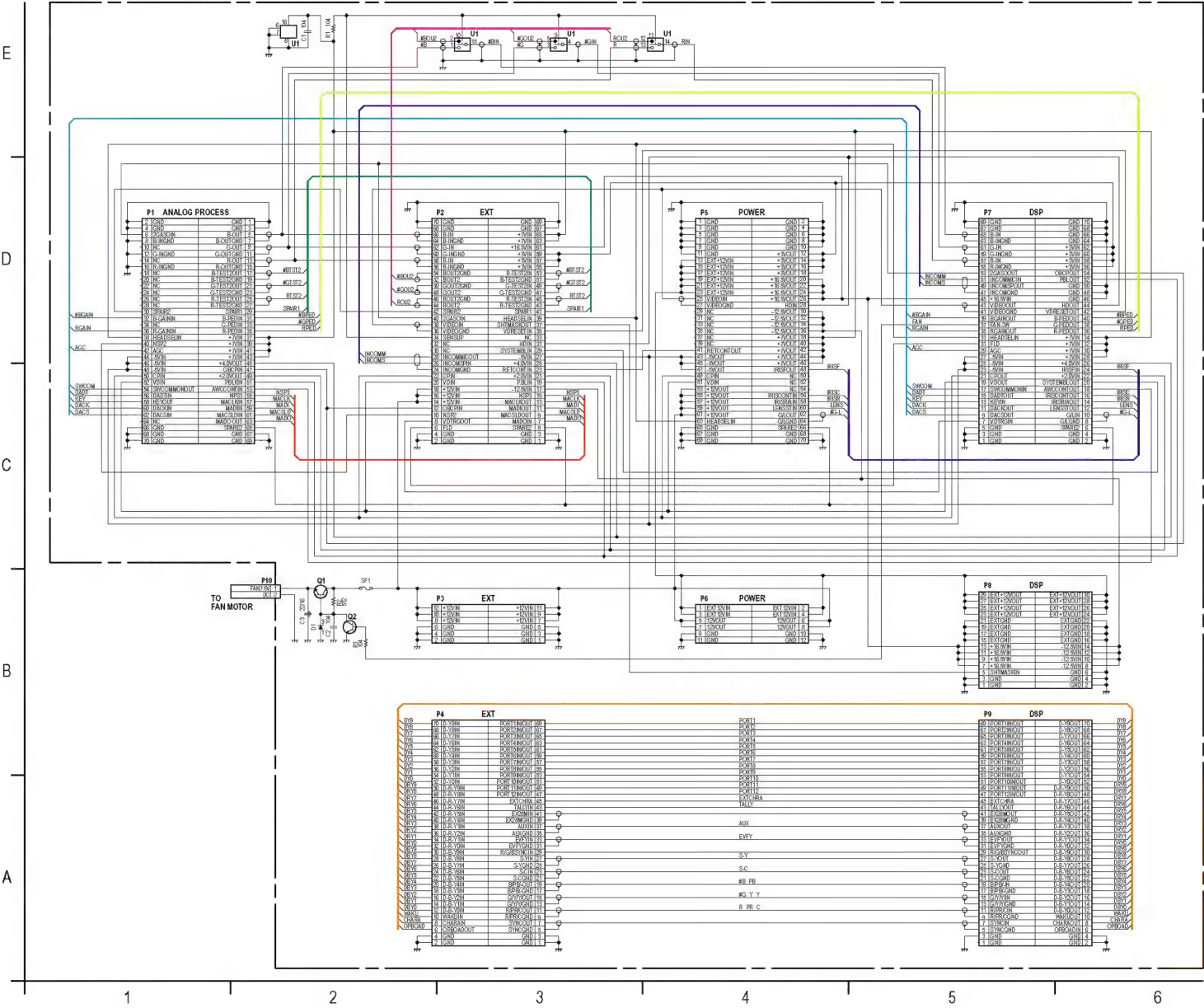
BLOCK DIAGRAM OF DSP BOARD

DSP BOARD



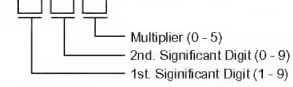
SCHEMATIC DIAGRAM OF JOINT BOARD

JOINT BOARD



< INDEX >
JOINT BOARD
U1 E2,E3,E4
Q1 B2
Q2 B2
D1 B2

Note: The value indicated in the schematic diagram should be read as follows:



<Example>

For Resistor:

330 $\Rightarrow 33 \times 10^0 = 33 \Omega$
561 $\Rightarrow 56 \times 10^1 = 560 \Omega$
123 $\Rightarrow 12 \times 10^3 = 12k \Omega$
0R00 = 0Ω

For Capacitor
(Except Electrolytic Capacitor and Tantalum Capacitor):

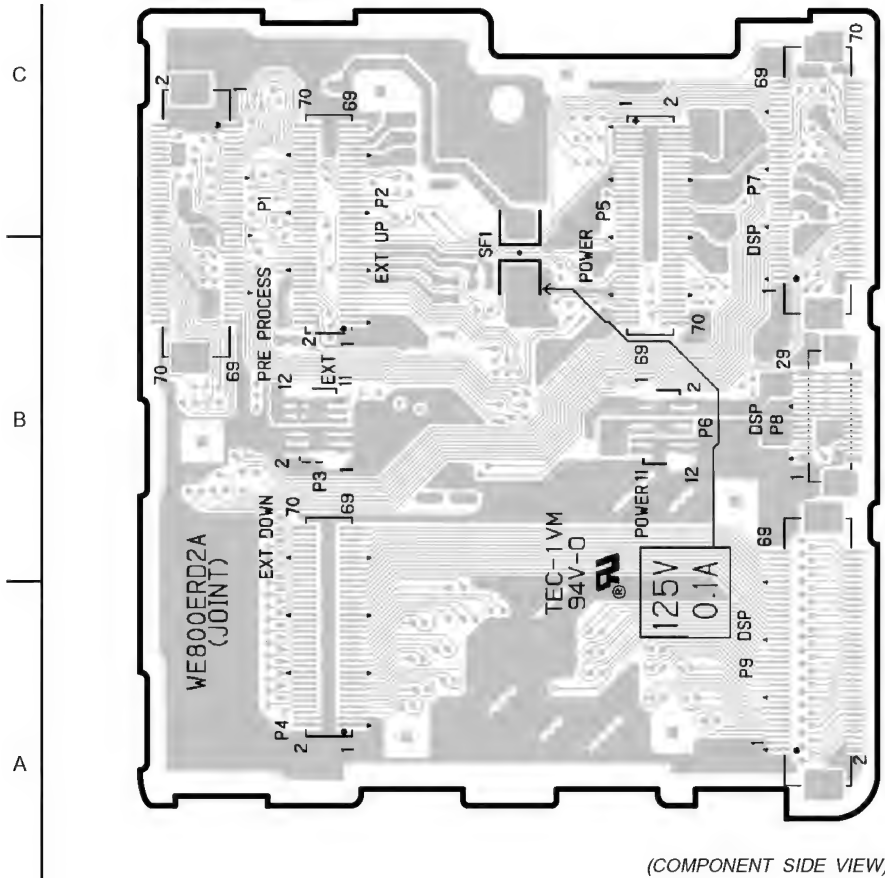
820 $\Rightarrow 82 \times 10^0 = 82 pF$
102 $\Rightarrow 10 \times 10^2 = 1000 pF = 0.001 \mu F$
104 $\Rightarrow 10 \times 10^4 = 100000 pF = 0.1 \mu F$

For Coil:

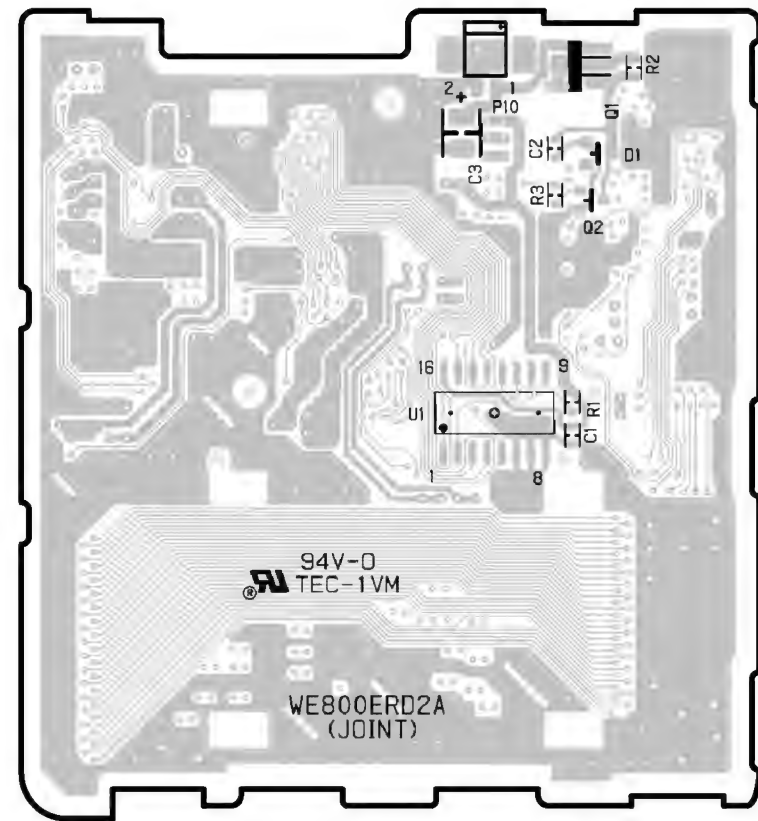
010 $\Rightarrow 1 \times 10^0 = 1 \mu H$
8R2 $\Rightarrow 8.2 \times 10^0 = 8.2 \mu H$
101 $\Rightarrow 10 \times 10^1 = 100 \mu H$

CONDUCTOR VIEW OF JOINT BOARD

JOINT BOARD



(COMPONENT SIDE VIEW)



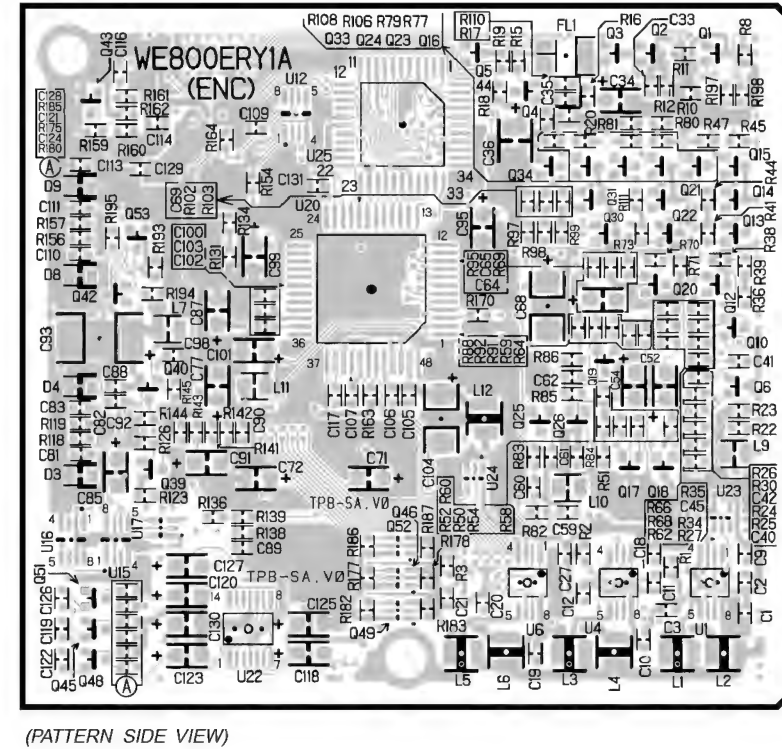
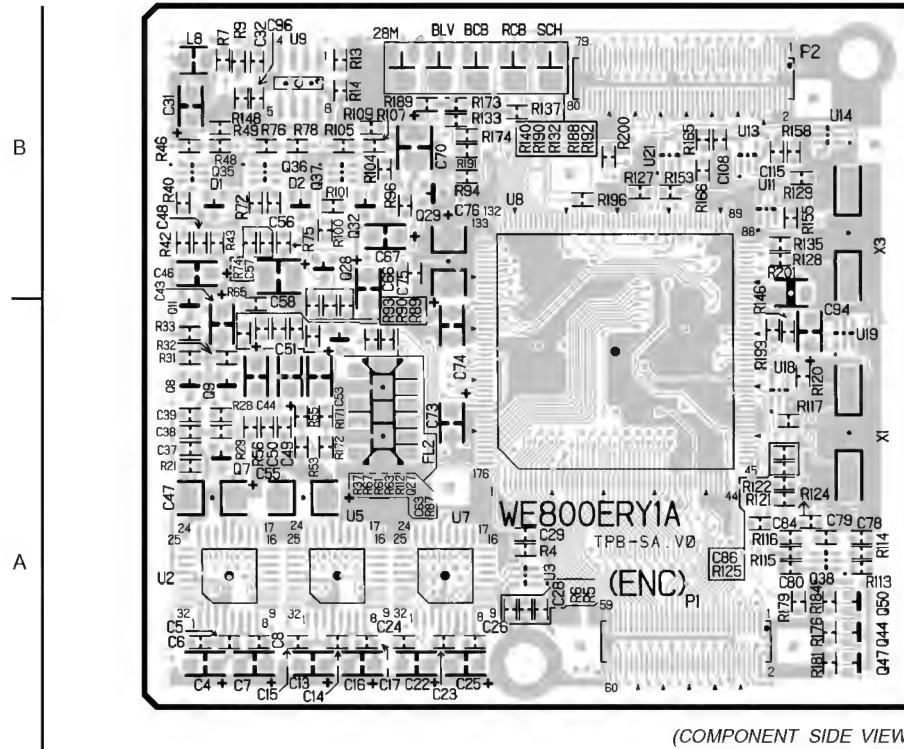
(PATTERN SIDE VIEW)

<INDEX>
JOINT BOARD

U1	B5
Q1	C5
D1	C5

CONDUCTOR VIEW OF ENCODER BOARD

ENCODER BOARD

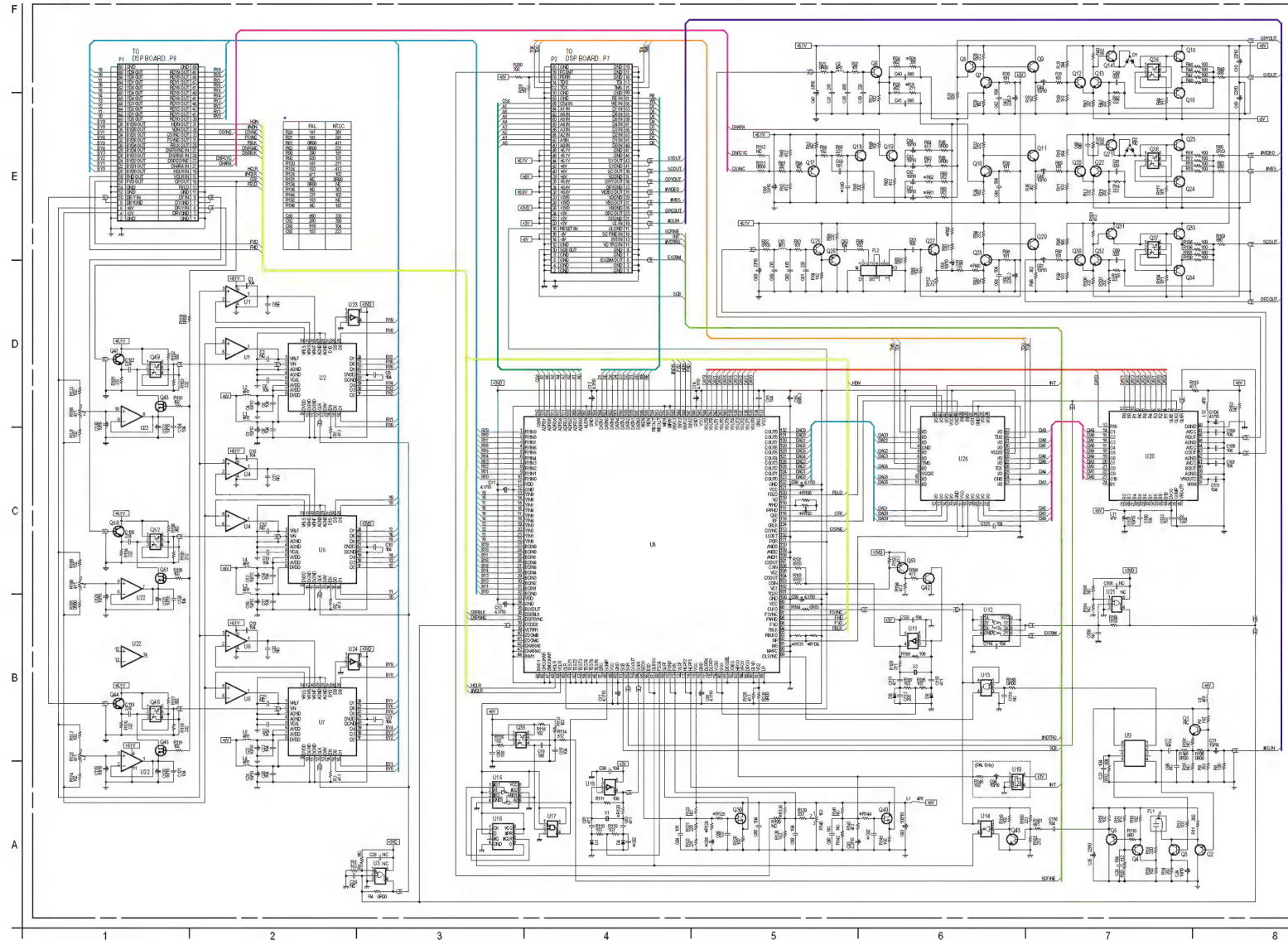


< INDEX > ENC BOARD

U1	A4	U23	A4	Q2	B4	Q21	B4	Q40	A3	D1	B1
U2	A1	U24	A3	Q3	B4	Q22	B4	Q43	B3	D3	A2
U4	A4	U25	B3	Q4	B3	Q23	B4	Q44	A2	D4	A2
U5	A1			Q5	B3	Q24	B4	Q45	A3	D8	B2
U6	A3			Q6	A4	Q25	A3	Q46	A3	D9	B2
U7	A1			Q7	A1	Q26	A3	Q47	A2		
U8	B1			Q8	A1	Q27	A1	Q48	A3		
U9	B1			Q9	A1	Q28	B1	Q49	A3		
U11	B2			Q10	A4	Q29	B1	Q50	A2		
U12	B3			Q11	A1	Q30	B4	Q51	A3		
U13	B2			Q12	B3	Q31	B4	Q52	A3		
U14	B2			Q13	B4	Q32	B1				
U15	A3			Q14	B4	Q33	B4				
U16	A2			Q15	B4	Q34	B3				
U17	A3			Q16	B4	Q35	B1				
U18	A2			Q17	A4	Q36	B1				
U19	A2			Q18	A4	Q37	B1				
U20	B3			Q19	A4	Q38	A2				
U22	A3			Q20	B4	Q39	A3				

SCHEMATIC DIAGRAM OF ENCODER BOARD

ENCODER BOARD



<INDEX> ENCODER BOARD

U2 D2
U4 C2
U6 C2
U7 B2
U8 C4
U9 B7
U11 B6
U12 B6
U13 B6
U16 A3
U18 A3
U17 A4
U19 A6
U22 A1,B1,C1,D1
U23 B2
U24 B2
U25 C6
U2 A6
U3 A7
U4 A7
U5 A7
U6 F6
U7 F6
U8 F6
U9 F7
U10 E8
U11 E7
U12 F7
U13 F7
U14 F7
U15 F7
U16 F7
U17 E5
U18 E6
U19 E6
U20 E7
U21 E7
U22 E7
U23 E7
U24 E6
U25 E6
U26 E6
U27 E6
U28 E6
U29 E7
U30 E7
U31 E7
U32 E7
U33 E7
U34 D7
U35 E7
U36 E7
U37 E7
U38 B3
U39 A6
U40 A6
U42 B3
U43 A6
U44 B1
U45 B1
U46 B1
U47 D1
U48 D1
U49 D1
U50 C1
U51 C1
U52 C1
U53 C6
D1 F7
D3 A4
D4 A4
D5 B6
D9 B6

Note: The value indicated in the schematic diagram should be read as follows:



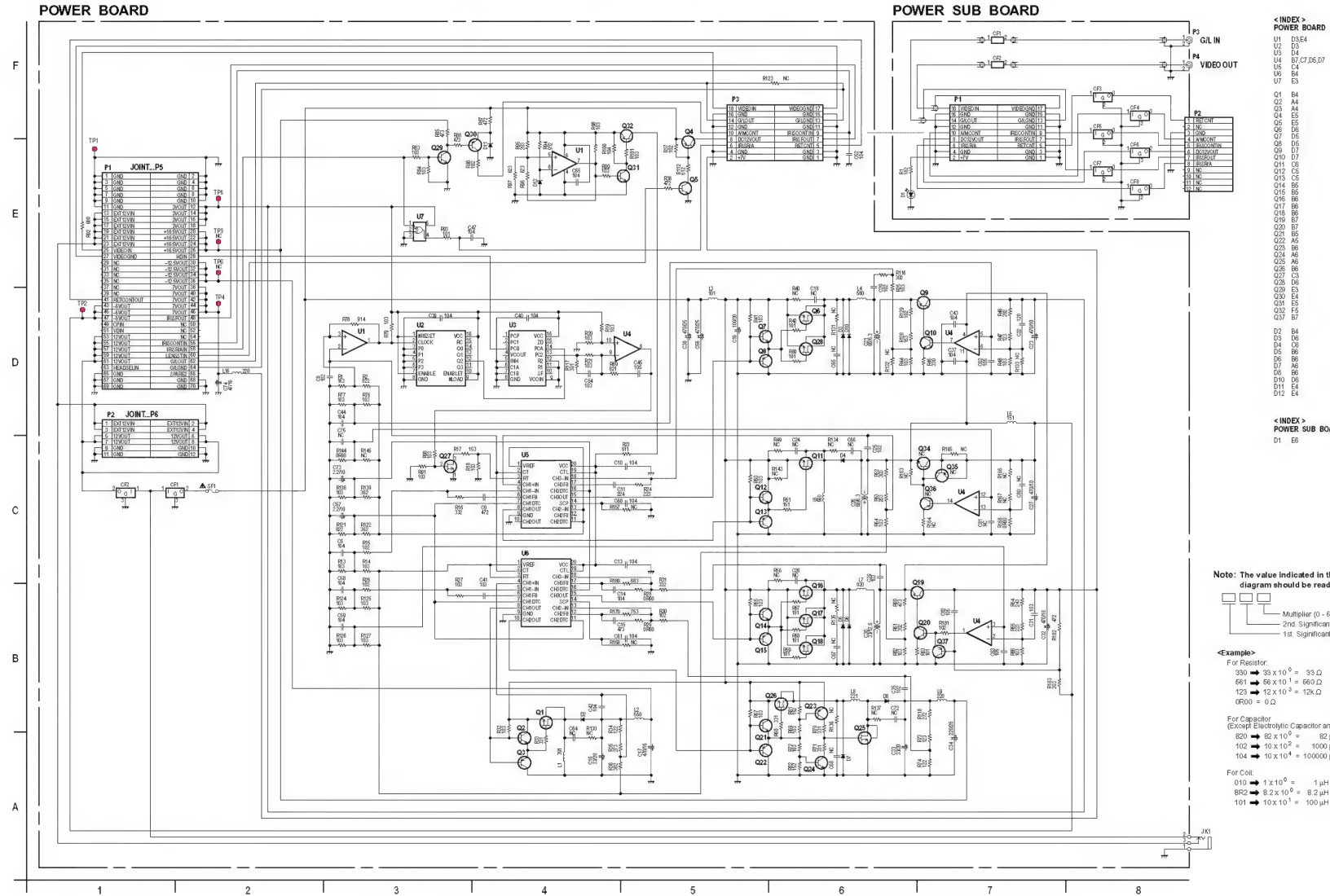
<Example>

For Resistor:
330 → $33 \times 10^3 = 33\text{k}\Omega$
681 → $68 \times 10^1 = 680\Omega$
123 → $12 \times 10^2 = 12\text{k}\Omega$
0R00 = 0Ω

For Capacitor
(Except Electrolytic Capacitor and Tantalum Capacitor):
820 → $82 \times 10^0 = 82\text{pF}$
102 → $10 \times 10^2 = 1000\text{pF} = 0.001\mu\text{F}$
104 → $10 \times 10^4 = 100000\text{pF} = 0.1\mu\text{F}$

For Coil:
010 → $1 \times 10^0 = 1\mu\text{H}$
8R2 → $8.2 \times 10^0 = 8.2\mu\text{H}$
101 → $10 \times 10^1 = 100\mu\text{H}$

SCHEMATIC DIAGRAM OF POWER BOARD / POWER SUB BOARD

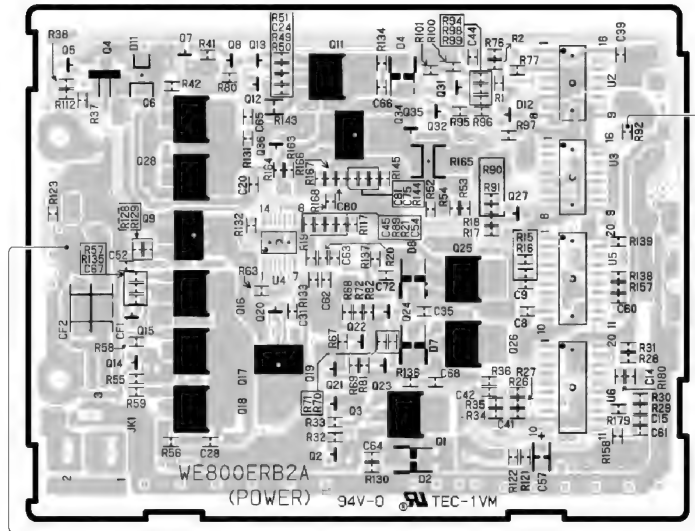


Important safety notice

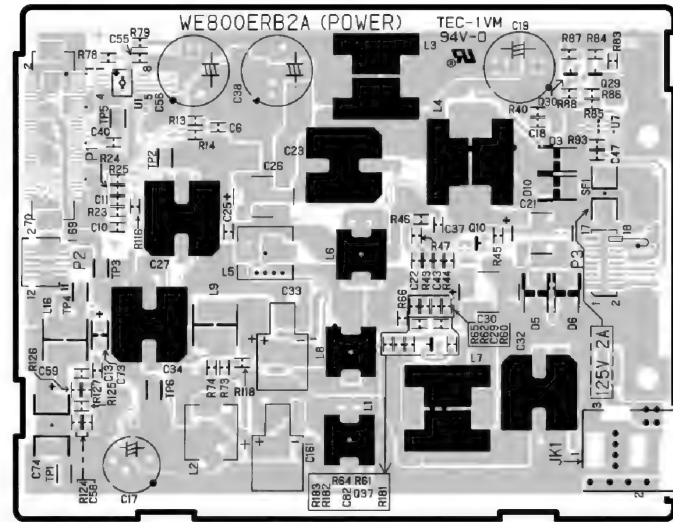
Components Identified by "▲" mark have special characteristics for safety.
When replacing any of these components, use only manufacturer's specified parts.

CONDUCTOR VIEW OF POWER BOARD / POWER SUB BOARD

POWER BOARD

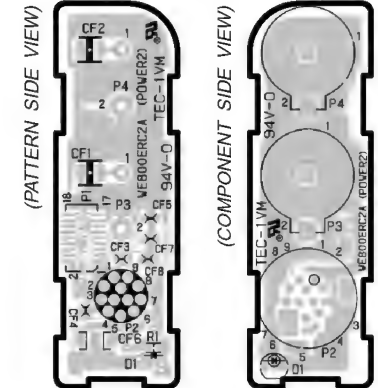


(PATTERN SIDE VIEW)

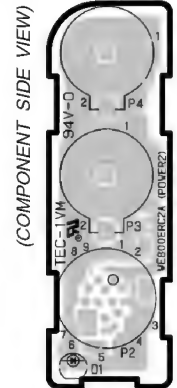


(COMPONENT SIDE VIEW)

POWER SUB BOARD



(PATTERN SIDE VIEW)



(COMPONENT SIDE VIEW)

<INDEX> POWER BOARD

U1	B3	Q1	A2	Q18	A1	D2	A2
U2	B2	Q2	A2	Q19	A1	D3	B4
U3	B2	Q3	A2	Q20	A1	D4	B2
U4	A1	Q4	B1	Q21	A2	D5	A4
U5	A2	Q5	B1	Q22	A2	D6	A4
U6	A2	Q6	B1	Q23	A2	D7	A2
U7	B4	Q7	B1	Q24	A2	D8	A2
		Q8	B1	Q25	A2	D10	B4
		Q9	B1	Q26	A2	D11	B1
		Q10	A4	Q27	B2	D12	B2
		Q11	B2	Q28	B1		
		Q12	B1	Q29	B4		
		Q14	A1	Q30	B4		
		Q15	A1	Q31	B2		
		Q16	A1	Q32	B2		
		Q17	A1	Q37	A4		

<INDEX> POWER SUB BOARD

D1	A6
----	----

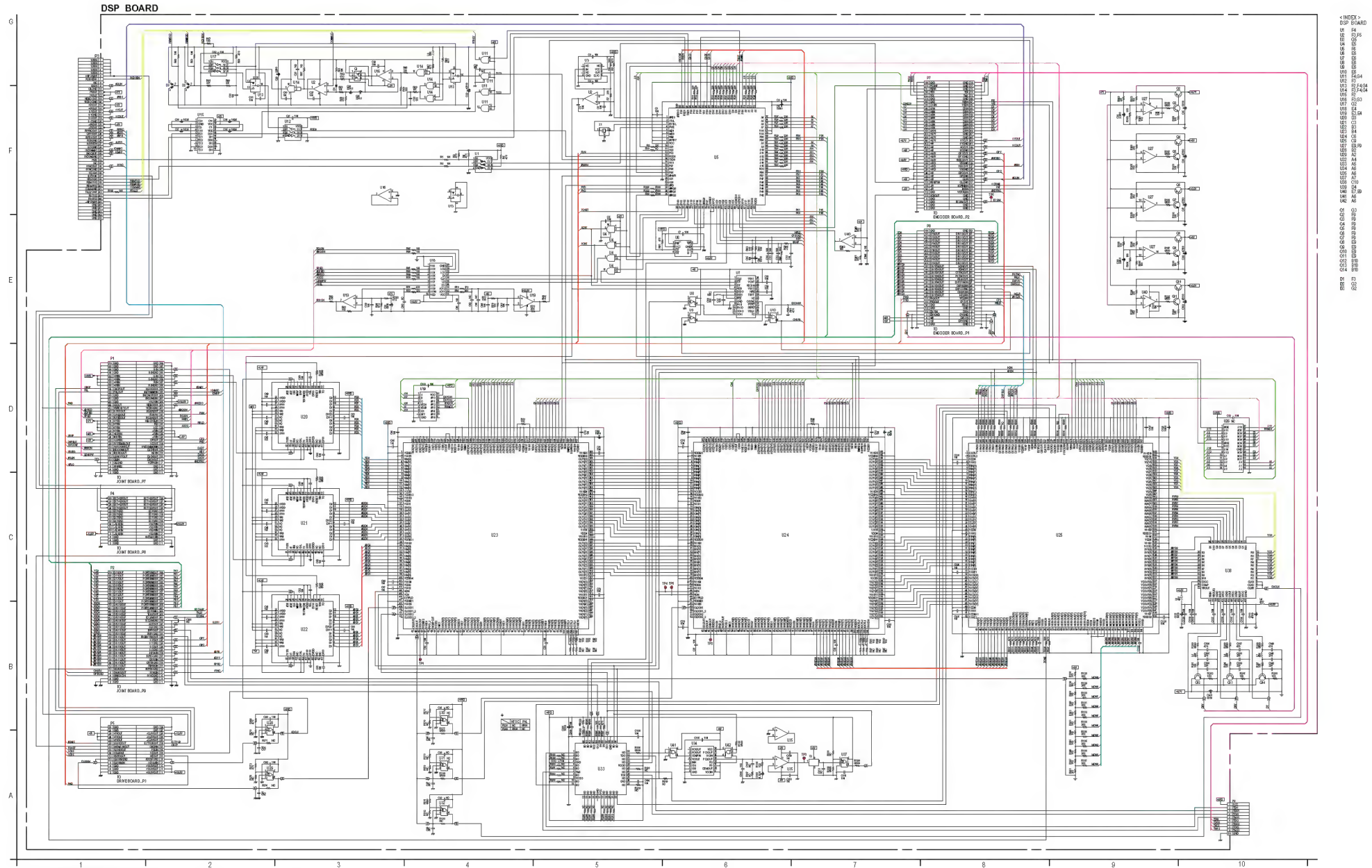
DSP BOARD



(COMPONENT SIDE VIEW)

< INDEX >	
DSP BOARD	
U1	C4
U2	A2
U3	C3
U4	D3
U5	A3
U6	A2
U7	A3
U8	A3
U9	A3
U10	A3
U11	B2
U12	D1
U13	B2
U14	A1
U15	A1
U16	A2
U17	A2
U18	C2
U19	B2
U20	A1
U21	A1
U22	B1
U23	C2
U24	C2
U25	C3
U27	B1
U28	A2
U29	A2
U33	B3
U34	A4
U35	C4
U37	B3
U38	A4
U39	D3
U40	B1
U41	A1
U42	A3
Q1	A1
Q2	B1
Q3	B1
Q4	B2
Q5	B2
Q6	B2
Q7	B2
Q8	B1
Q9	B1
Q10	B1
Q11	C1
Q12	A2
Q13	C4
Q14	D4
D1	A2
D2	A2
D3	A2

SCHEMATIC DIAGRAM OF DSP BOARD



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 DSP BOARD
 U1
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 U92
 U93
 U94
 U95
 U96
 U97
 U98
 U99
 U100

Note: The value indicated in the schematic diagram should be read as follows:

Multiplier (0 - 9)
 1st. Significant Digit (0 - 9)
 2nd. Significant Digit (0 - 9)

Example:

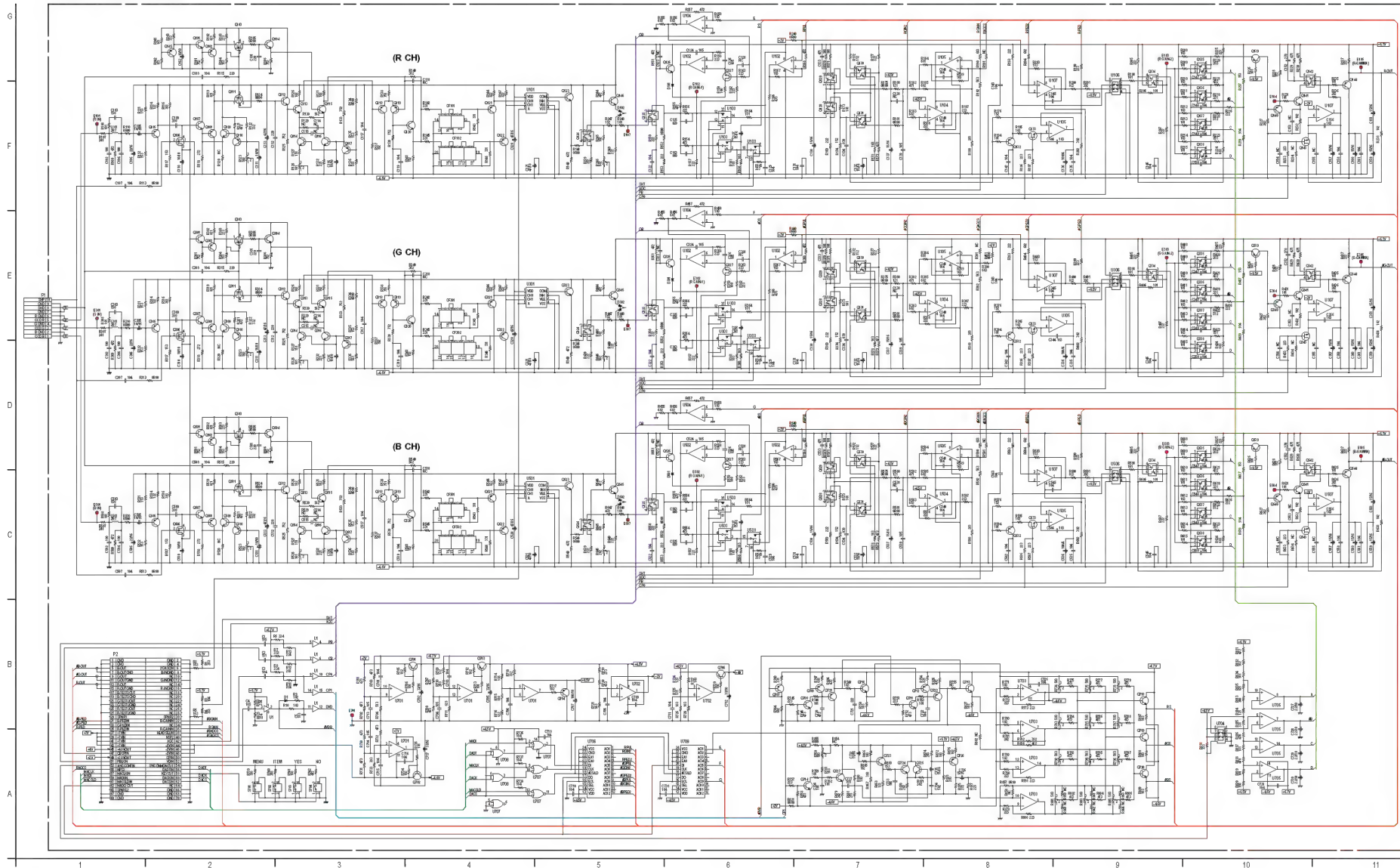
For Resistor:
 330 $\rightarrow 33 \times 10^0 = 33 \Omega$
 681 $\rightarrow 68 \times 10^1 = 680 \Omega$
 103 $\rightarrow 10 \times 10^3 = 10k \Omega$
 6800 $\rightarrow 68 \times 10^3 = 68k \Omega$

For Capacitor:
 (Electrolytic Capacitor and Tantalum Capacitor)
 680 $\rightarrow 68 \times 10^0 = 68 \mu F$
 103 $\rightarrow 10 \times 10^3 = 10000 \mu F = 0.01 \mu F$
 104 $\rightarrow 10 \times 10^4 = 100000 \mu F = 0.1 \mu F$

For Inductor:
 010 $\rightarrow 1 \times 10^0 = 1 \mu H$
 680 $\rightarrow 68 \times 10^0 = 68 \mu H$
 101 $\rightarrow 10 \times 10^1 = 100 \mu H$

SCHEMATIC DIAGRAM OF ANALOG PROCESS BOARD

ANALOG PROCESS BOARD



Note: The value indicated in the schematic diagram should be read as follows:



Example:
For Resistor:
330 → 33 × 10³ = 33 kΩ
880 → 88 × 10¹ = 880 Ω
102 → 10 × 10² = 1000 Ω
0800 = 0.8 Ω

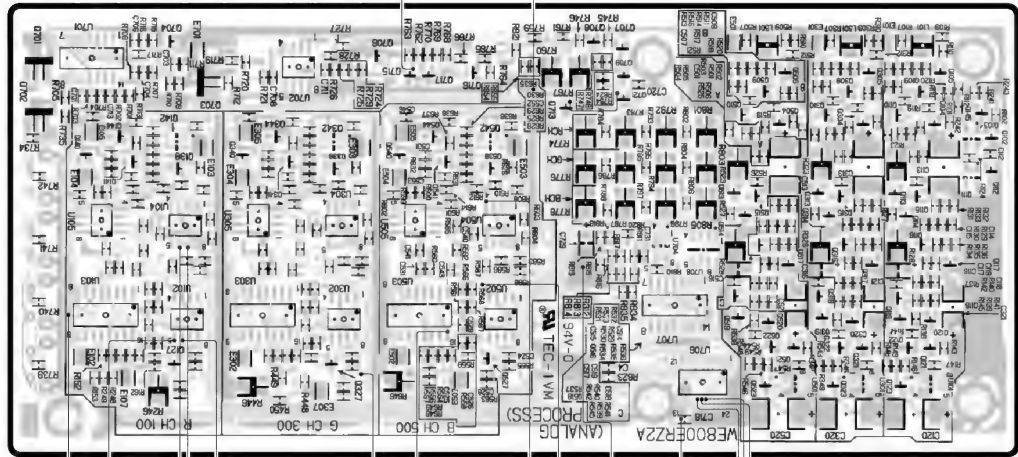
For Capacitor:
(Except Electrolytic Capacitor and Tantalum Capacitor):
102 → 10 × 10² = 1000 pF = 0.001 μF
104 → 10 × 10⁴ = 100000 pF = 0.1 μF

For Coil:
010 → 1 × 10³ = 1 kΩ
682 → 6.8 × 10² = 682 Ω
901 → 90 × 10¹ = 900 Ω

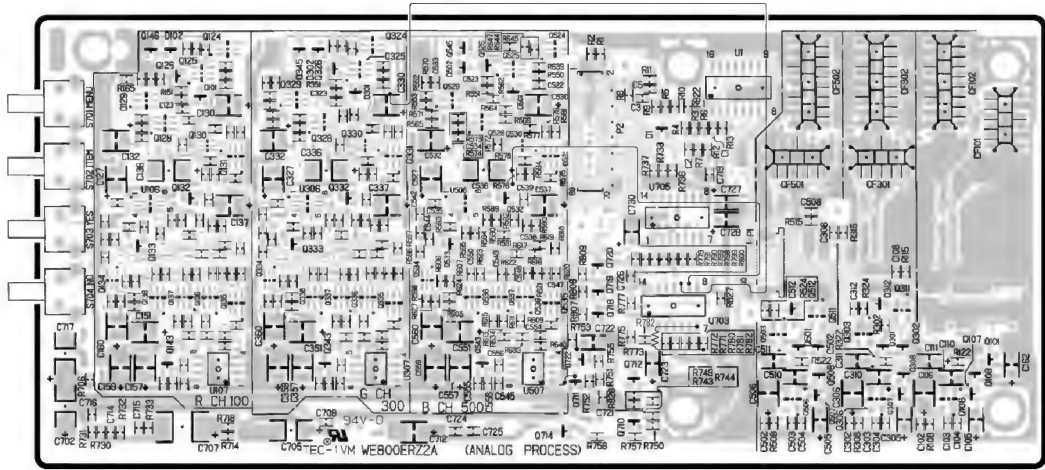
INDEX
ANALOG PROCESS BOARD
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 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1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 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2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2

CONDUCTOR VIEW OF ANALOG PROCESS BOARD

ANALOG PROCESS BOARD



(PATTERN SIDE VIEW)



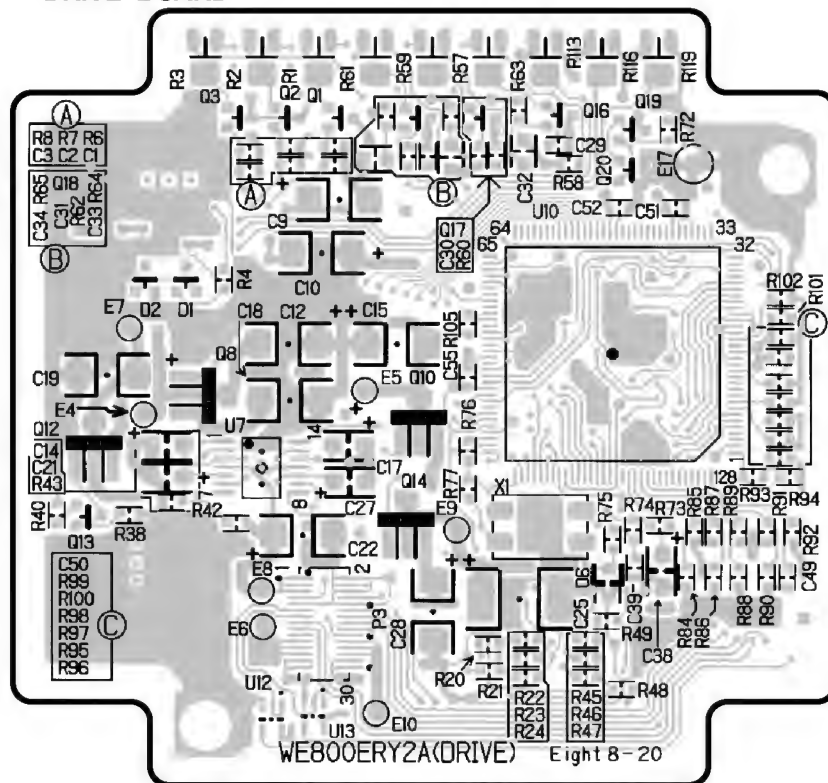
(COMPONENT SIDE VIEW)

<INDEX> ANALOG PROCESS BOARD

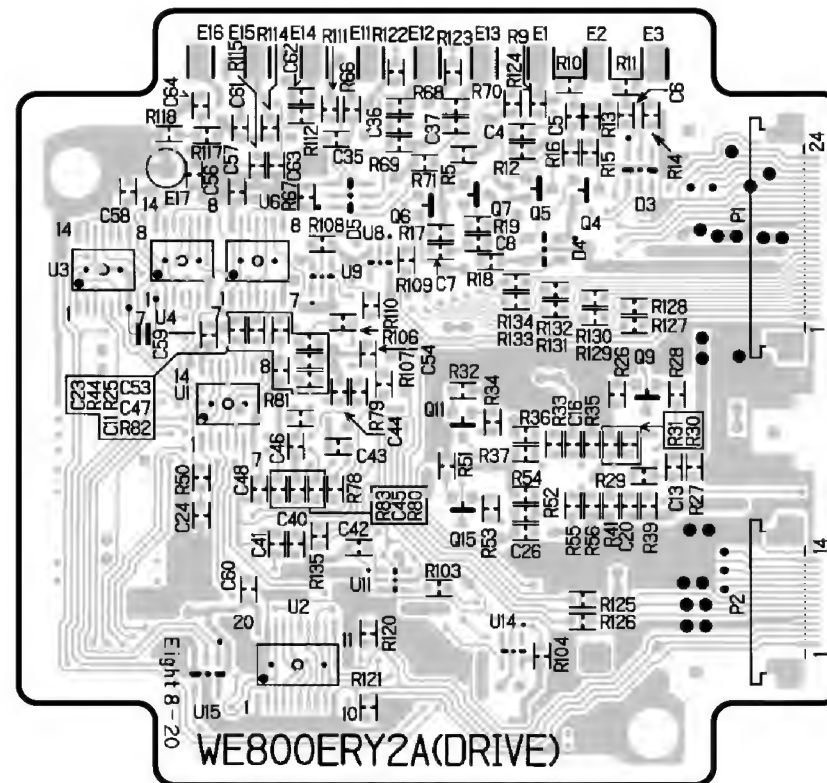
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U101	C4	Q317	D3	Q721	D3
U102	C1	Q318	C3	Q722	A2
U103	C1	Q319	C3		
U104	C1	Q320	C3	D1	B3
U105	C1	Q321	C3	D101	B1
U106	B1	Q322	C3	D102	B1
U107	A1	Q323	C3	D301	B2
U301	C3	Q324	B2	D302	B2
U302	C2	Q325	B2	D501	B2
U303	C1	Q326	B2	D502	B2
U304	D2	Q327	C2		
U305	D1	Q328	B2		
U306	B2	Q329	B2		
U307	A2	Q330	B2		
U501	C3	Q331	B2		
U502	C2	Q332	B2		
U503	C2	Q333	A2		
U504	D2	Q334	A1		
U505	D2	Q335	A2		
U506	B2	Q336	A2		
U507	A2	Q337	A2		
U701	D1	Q338	A2		
U702	D2	Q339	D2		
U703	A3	Q340	D1		
U704	D3	Q341	D2		
U705	B3	Q342	D2		
U706	C3	Q343	A2		
U707	C3	Q344	D2		
U708	D3	Q345	B2		
		Q501	A3		
Q101	A4	Q502	A3		
Q102	D4	Q503	A3		
Q103	D4	Q504	D3		
Q104	D4	Q505	D3		
Q105	D4	Q506	A3		
Q106	A4	Q507	A3		
Q107	A4	Q508	A3		
Q108	A4	Q511	A3		
Q111	D4	Q512	A3		
Q112	D4	Q513	D3		
Q113	D4	Q514	D3		
Q114	D4	Q515	D3		
Q115	D4	Q516	C3		
Q116	D4	Q517	D3		
Q117	D4	Q518	C3		
Q118	C4	Q519	C3		
Q119	C4	Q520	C3		
Q120	C4	Q521	C3		
Q121	C4	Q522	C3		
Q122	C4	Q523	C3		
Q123	C4	Q524	B2		
Q124	B1	Q525	B2		
Q125	B1	Q526	B2		
Q126	B1	Q527	C2		
Q127	C1	Q528	B2		
Q128	B1	Q529	B2		
Q129	B1	Q530	B2		
Q130	B1	Q531	B2		
Q131	B1	Q532	B2		
Q132	B1	Q533	A2		
Q133	A1	Q534	A2		
Q134	A1	Q535	A2		
Q135	A1	Q536	A2		
Q136	A1	Q537	A2		
Q137	A1	Q538	A2		
Q138	A1	Q539	C2		
Q139	D1	Q540	C2		
Q140	D1	Q541	C2		
Q141	D1	Q542	C2		
Q142	C1	Q543	A2		
Q143	A1	Q544	D2		
Q144	D1	Q545	B2		
Q145	D4	Q701	D1		
Q146	B1	Q702	D1		
Q301	A3	Q703	D1		
Q302	A3	Q704	D1		
Q303	A3	Q706	D2		
Q304	D3	Q707	D3		
Q305	D3	Q708	D3		
Q306	A3	Q709	D3		
Q307	A3	Q710	A3		
Q308	A3	Q711	A2		
Q311	A3	Q712	A3		
Q312	A3	Q713	D2		
Q313	D3	Q714	A2		
Q314	D3	Q715	A3		
Q315	D3	Q716	A3		

CONDUCTOR VIEW OF DRIVE BOARD

DRIVE BOARD



(COMPONENT SIDE VIEW)



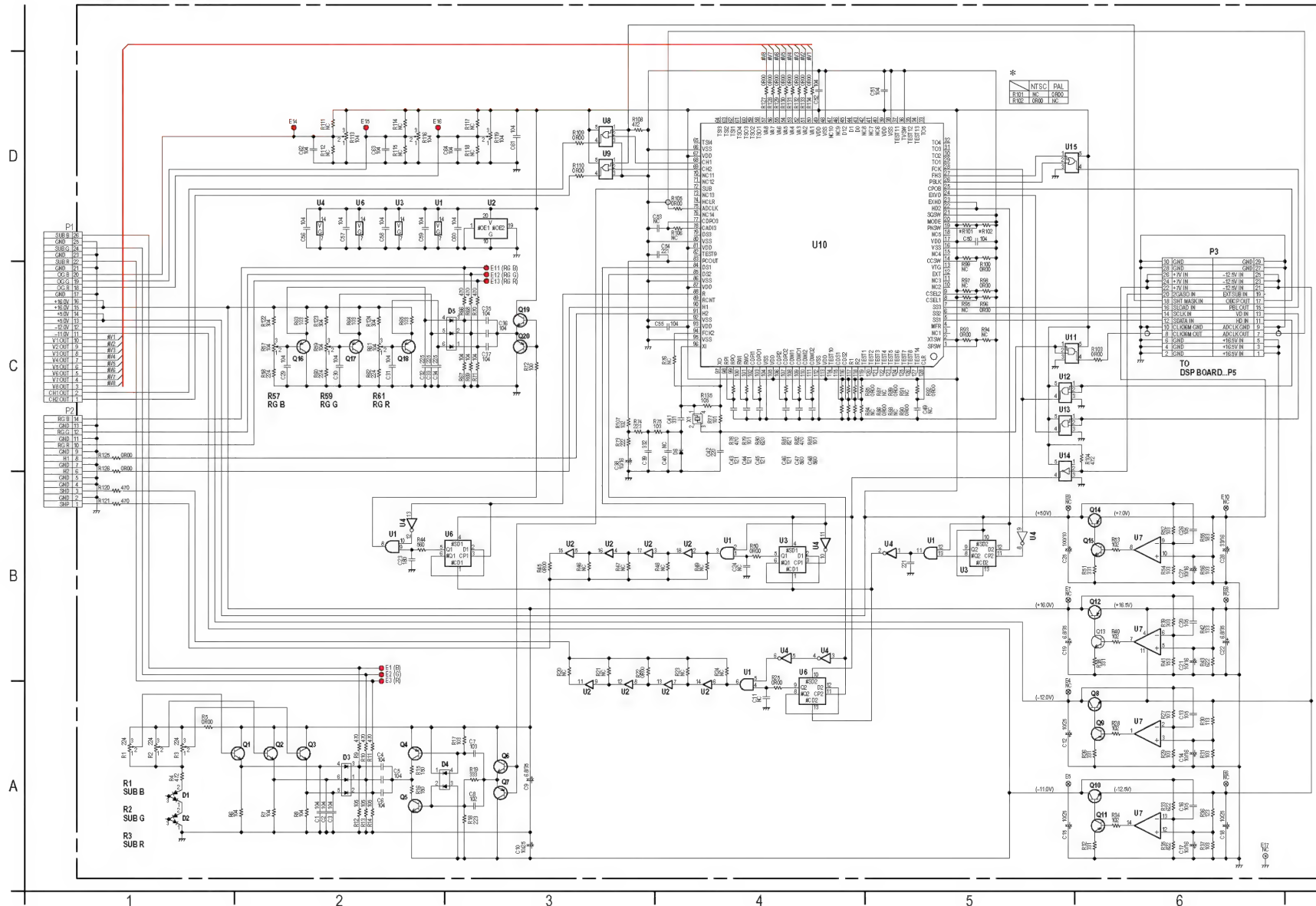
(PATTERN SIDE VIEW)

<INDEX> DRIVE BOARD

U1	A3/B3	Q1	B1	Q15	A3	D1	B1
U2	A3	Q2	B1	Q16	B2	D2	B1
U3	B3	Q3	B1	Q17	B2	D3	B4
U4	B3	Q4	B4	Q18	B1/B2	D4	B4
U6	B3	Q5	B4	Q19	B2	D5	B3
U7	A1	Q6	B3	Q20	B2	D6	A2
U8	B3	Q7	B3				
U9	B3	Q8	A1/B1				
U10	A2/B2	Q9	B4				
U11	A3	Q10	A1/A2				
U12	A1	Q11	A3				
U13	A1	Q12	A1				
U14	A3/A4	Q13	A1				
U15	A3	Q14	A1/A2				

SCHEMATIC DIAGRAM OF DRIVE BOARD

DRIVE BOARD



<INDEX> DRIVE BOARD

U1 A4,B2,B4,B5,D2
U2 A3,A4,B3,B4,D3
U3 B4,B5,D2
U4 B2,B4,B5,D2
U6 A4,B3,D2
U7 A6,B6
U8 D3
U9 D3
U10 D4
U11 C5
U12 C5
U13 C5
U14 C5
U15 D5

Q1 A2
Q2 A2
Q3 A2
Q4 A2
Q5 A2
Q6 A3
Q7 A3
Q8 A6
Q9 A6
Q10 A6
Q11 A6
Q12 B6
Q13 B6
Q14 B6
Q15 B6
Q16 C2
Q17 C2
Q18 C2
Q19 C3
Q20 C3

D1 A1
D2 A1
D3 A2
D4 A2
D5 C3
D6 C4
D5 C4
D6 C4

Note: The value indicated in the schematic diagram should be read as follows:



<Example>

For Resistor:

330 $\rightarrow 33 \times 10^{-5} = 33 \Omega$
561 $\rightarrow 56 \times 10^{-1} = 560 \Omega$
123 $\rightarrow 12 \times 10^{-2} = 12k \Omega$
0R00 = 0 Ω

For Capacitor
(Except Electrolytic Capacitor and
Tantalum Capacitor)

820 $\rightarrow 82 \times 10^{-6} = 82 pF$
102 $\rightarrow 10 \times 10^{-2} = 1000 pF = 0.001 \mu F$
104 $\rightarrow 10 \times 10^{-4} = 100000 pF = 0.1 \mu F$

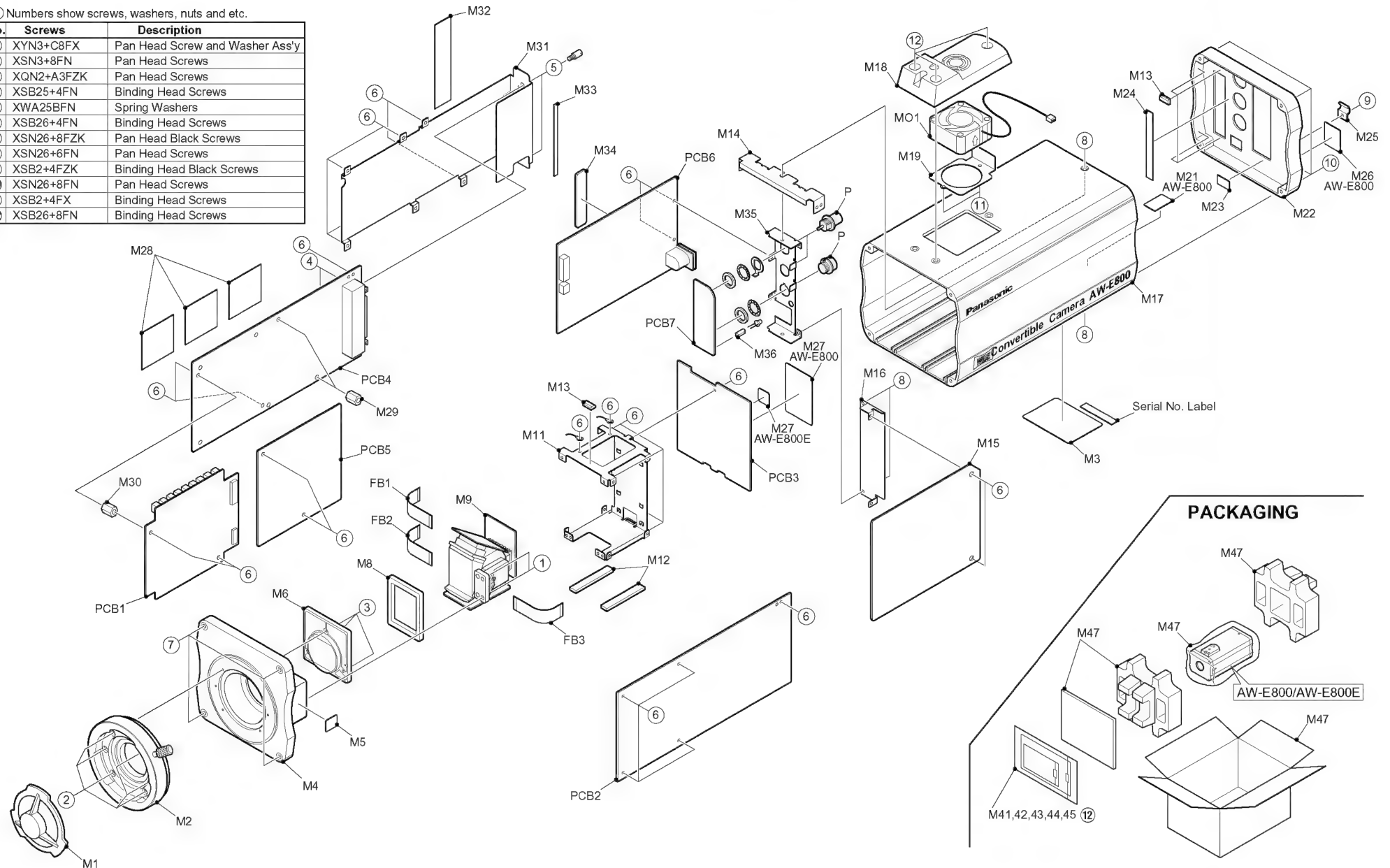
For Coil:

010 $\rightarrow 1 \times 10^{-6} = 1 \mu H$
8R2 $\rightarrow 8.2 \times 10^{-6} = 8.2 \mu H$
101 $\rightarrow 10 \times 10^{-1} = 100 \mu H$

EXPLODED VIEW

○ Numbers show screws, washers, nuts and etc.

No.	Screws	Description
①	XYN3+C8FX	Pan Head Screw and Washer Ass'y
②	XSN3+8FN	Pan Head Screws
③	XQN2+A3FZK	Pan Head Screws
④	XSB25+4FN	Binding Head Screws
⑤	XWA25BFN	Spring Washers
⑥	XSB26+4FN	Binding Head Screws
⑦	XSN26+8FZK	Pan Head Black Screws
⑧	XSN26+6FN	Pan Head Screws
⑨	XSB2+4FZK	Binding Head Black Screws
⑩	XSN26+8FN	Pan Head Screws
⑪	XSB2+4FX	Binding Head Screws
⑫	XSB26+8FN	Binding Head Screws



REPLACEMENT PARTS LIST

Important Notice

- Components identified by "△" mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.
- RTL : Retention Time Limited (No longer available after discontinuing product).

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
MISCELLANEOUS			DRIVE BOARD		
FB1	14E800A3	Special Cable (Gch-Drive)	PCB1 (RTL)	WE800PKY2A	Printed Circuit Board Ass'y for AW-E800
FB2	26E800A2	Special Cable (Gch-Drive)		WE800EKY2A	Printed Circuit Board Ass'y for AW-E800E
FB3	10E800A4	Special Cable (Gch-Analog Process)	U1	C0JBAA000157	IC
MO1	L6FAGA9H0001	DC Motor	U2	MC74ACT541DT	IC
M1	WN-0003	Cap	U3	C0JBAF000239	IC
M2	0E1A053A	2/3" Bayonet Mount Ass'y	U4	MC74ACT04DT	IC
M3	△ 7C1A126A	Main Label for AW-E800	U6	C0JBAF000239	IC
	7C1A122A	Main Label for AW-E800E	U7	YWNJM2902VT1	IC
M4	4D1A037A	Front Escutcheon	U8,9	YWTC7SH32FUL	IC
M5	V7SA1837A4	Label	U10	MN5280	IC
M6	0E1A054A	Low Pass Holder Ass'y	U11-13	C0JBAA000002	IC
M8	5E1A094A	Dust Proof Cushion	U14	C0JBAB000005	IC
M9	0E1A060A	Head Optical Ass'y for AW-E800	U15	C0JBAE000085	IC
	0E1A052A	Head Optical Ass'y for AW-E800E	Q1-3	2SD1819ARSTX	Transistor
M11	1B1B820A	Chassis	Q4	2SB1218AHL	Transistor
M12	1C1A113A	Gasket B	Q5,6	2SD1819ARSTX	Transistor
M13	1C1A130A	Gasket D	Q7	2SB1218AHL	Transistor
M14	YW1B1B009A	Mounting Parts	Q8	2SD0874AHL	Transistor
M15	YW1C1A073A	Shield Parts	Q9	2SB1218AHL	Transistor
M16	1A1A234A	Blank Panel	Q10	2SD0874AHL	Transistor
M17	4A1A017A	Case	Q11	2SB1218AHL	Transistor
M18	4D1A038A	Mounting Bracket	Q12	2SB0766AHL	Transistor
M19	1B1B821A	Mounting Parts	Q13	2SD1819ARSTX	Transistor
M21	△ YW7G1B016A	Fuse Change Label for AW-E800	Q14	2SB0766AHL	Transistor
	YW7G1B154A	Blank Label for AW-E800E	Q15	2SD1819ARSTX	Transistor
M22	4C1A004C	Rear Escutcheon	Q16-18	2SB1218AHL	Transistor
M23	1C1A112A	Gasket A	Q19	B1ABDB000007	Transistor
M24	1C1A113A	Gasket B	Q20	B1ADBB000010	Transistor
M25	△ YWV2GA0065A4	Cord Clamp	D1,2	MA3J14300L	Diode
M26	△ YW7G1B018A	Caution Label for AW-E800	D3	MA6X12100L	Diode
			D4	MA159TX	Diode
			D5	MA6X12100L	Diode
			D6	YWHVU359TRF	Diode
			R1-3	D3EA32240001	Variable Resistor 220K ohms 1/5W
			R4	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
			R5	ERJ3GEY0R00	Carbon 0 ohm 1/16W
			R6-8	ERJ3GEYJ104V	Carbon 100K ohms 1/16W
			R9-11	ERJ3GEYJ470	Carbon 47 ohms 1/16W
			R12-14	ERJ3GEYJ105	Carbon 1M ohms 1/16W
			R15,16	ERJ3GEYJ150	Carbon 15 ohms 1/16W
			R17	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R18	ERJ3GEYJ223	Carbon 22K ohms 1/16W
			R19	ERJ3GEYJ333	Carbon 33K ohms 1/16W
			R22	ERJ3GEY0R00	Carbon 0 ohm 1/16W
			R25	ERJ3GEY0R00	Carbon 0 ohm 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R26	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R98,100	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R27	ERJ3RHD103V	Metal	10K ohms 1/16W	R101	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R28	ERJ3GEYJ102	Carbon	1K ohms 1/16W			for AW-E800E	
R29	ERJ3RHD103V	Metal	10K ohms 1/16W	R102	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R30	ERJ3RHD113V	Metal	11K ohms 1/16W			for AW-E800	
R31	ERJ3RHD103V	Metal	10K ohms 1/16W	R103	ERJ3GEY0R00	Carbon	0 ohms 1/16W
R32	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R104	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R33	ERJ3RHD622V	Metal	6.2K ohms 1/16W	R105	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R34	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R107	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R35	ERJ3RHD822V	Metal	8.2K ohms 1/16W	R108	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R36	ERJ3RHD123V	Metal	12K ohms 1/16W	R109,110	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R37	ERJ3RHD103V	Metal	10K ohms 1/16W	R113,116	D3EA31040002	Variable Resistor	100K ohms 1/2W
R38	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R119	D3EA31040002	Variable Resistor	100K ohms 1/2W
R39	ERJ3RHD303V	Metal	30K ohms 1/16W	R120,121	ERJ3GEYJ470	Carbon	47 ohms 1/16W
R40	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R122-124	ERJ3GEYJ304	Carbon	300K ohms 1/16W
R41	ERJ3RHD153V	Metal	15K ohms 1/16W	R125-134	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R42	ERJ3RHD133V	Metal	13K ohms 1/16W	R135	ERJ3GEYJ105	Carbon	1M ohms 1/16W
R43	ERJ3RHD622V	Metal	6.2K ohms 1/16W	C1-6	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R44	ERJ3GEYJ560	Carbon	56 ohms 1/16W	C7	YGM1B103K1HT	Ceramic	0.01 µF
R45	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C8	F1H1H102A190	Ceramic	1000 µF 50V
R50	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C9	F3H1V6850002	Tantalum	6.8 µF 35V
R51	ERJ3GEYJ331	Carbon	330 ohms 1/16W	C10,12	SK31E106KRC	Tantalum	10 µF 25V
R52	ERJ3RHD103V	Metal	10K ohms 1/16W	C13	YGM1F105Z1AT	Ceramic	1 µF
R53	ERJ3GEYJ102	Carbon	1K ohms 1/16W	C14	F3F1C1060002	Tantalum	10 µF 16V
R54	ERJ3RHD103V	Metal	10K ohms 1/16W	C15	SK31E106KRC	Tantalum	10 µF 25V
R55	ERJ3RHD183V	Metal	18K ohms 1/16W	C16	YGM1F105Z1AT	Ceramic	1 µF
R56	ERJ3RHD103V	Metal	10K ohms 1/16W	C17	F3F1C1060002	Tantalum	10 µF 16V
R57	D3EA31040002	Variable Resistor	100K ohms 1/5W	C18	SK31E106KRC	Tantalum	10 µF 25V
R58	ERJ3GEYJ224	Carbon	220K ohms 1/16W	C19	F3H1V6850002	Tantalum	6.8 µF 35V
R59	D3EA31040002	Variable Resistor	100K ohms 1/5W	C20	YGM1F105Z1AT	Ceramic	1 µF
R60	ERJ3GEYJ224	Carbon	220K ohms 1/16W	C21	F3F1C1060002	Tantalum	10 µF 16V
R61	D3EA31040002	Variable Resistor	100K ohms 1/5W	C22	F3H1V6850002	Tantalum	6.8 µF 35V
R62	ERJ3GEYJ224	Carbon	220K ohms 1/16W	C23	GRM9CH180J5H	Ceramic	18 pF
R63-65	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C25	SK41A107ME	Tantalum	100 µF 10V
R66	ERJ3GEYJ470	Carbon	47 ohms 1/16W	C26	YGM1F105Z1AT	Ceramic	1 µF
R67	ERJ3GEYJ104V	Carbon	100K ohms 1/16W	C27	F3F1C1060002	Tantalum	10 µF 16V
R68	ERJ3GEYJ470	Carbon	47 ohms 1/16W	C28	SK41C336MC	Tantalum	22 µF 6.3V
R69	ERJ3GEYJ104V	Carbon	100K ohms 1/16W	C29-31	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R70	ERJ3GEYJ470	Carbon	47 ohms 1/16W	C32-34	YW400225FZT	Ceramic	2.2 µF
R71	ERJ3GEYJ104V	Carbon	100K ohms 1/16W	C35-37	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R72	ERJ3GEYJ100	Carbon	10 ohms 1/16W	C38	F3F1C1060002	Tantalum	10 µF 16V
R73	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	C39	YGM1B332K1HT	Ceramic	3.3 NF 50V
R74	ERJ3GEYJ223	Carbon	2.2K ohms 1/16W	C41	GRM9CH331J5H	Ceramic	330 pF
R75	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C42	YGM1C220J1HT	Ceramic	22 pF
R77	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C43-46	YGM1C121J1HT	Ceramic	120 pF
R78	ERJ3GEYF470V	Carbon	47K ohms 1/16W	C47,48	YGM1C560J1HT	Ceramic	56 pF
R79	ERJ3RHD101V	Metal	100 ohms 1/16W	C50-52	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R80	ERJ3GEYF620V	Carbon	62 ohms 1/16W	C54	F1H1H221A231	Ceramic	220 pF 50V
R81	ERJ3RHD821V	Metal	820 ohms 1/16W	C55-64	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R82	ERJ3GEYJ470	Carbon	47 ohms 1/16W	E1-3	YWRCT2125TPV	Terminal Pin	
R83	ERJ3GEYJ101	Carbon	100 ohms 1/16W	E11-16	YWRCT2125TPV	Terminal Pin	
R85	ERJ3GEY0R00	Carbon	0 ohm 1/16W	P1	K1MN26B00016	26-pin Connector	
R86,89	ERJ3GEY0R00	Carbon	0 ohm 1/16W	P2	K1MN14B00035	14-pin Connector	
R90,92	ERJ3GEY0R00	Carbon	0 ohm 1/16W	P3	K1KA30A00084	30-pin Connector	
R93,96	ERJ3GEY0R00	Carbon	0 ohm 1/16W	X1	H0J360500001	Crystal Oscillator Unit	

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
W17	YWBP120J1	Lead	Q114	2SD1819ARSTX	Transistor for AW-E800
			Q115	2SC39310YL	Transistor
			Q116	2SD1819ARSTX	Transistor for AW-E800
			Q117-119	2SA15320CL	Transistor
			Q120	2SC39310YL	Transistor
ANALOG PROCESS BOARD			Q121,122	2SA15320CL	Transistor
			Q123	2SC39310YL	Transistor
			Q124,125	XN0653400L	Transistor
			Q126	2SC39310YL	Transistor
			Q127	2SK662-PQRTX	Transistor
PCB2 (RTL)	WE800PKZ2B	Printed Circuit Board Ass'y for AW-E800E	Q128	XN0653400L	Transistor
	WE800EKZ2B	Printed Circuit Board Ass'y for AW-E800E	Q129	XN0643500L	Transistor
U1	YWYMC14050BF	IC	Q130	B1GKCFAA0007	Transistor
U101	YWTC4W53FUL	IC	Q131	XN0643500L	Transistor
U102	NJM4559M	IC	Q132	2SA15320CL	Transistor
U103	C0JBAR000214	IC			
U104	NJM4559M	IC	Q133	2SK662-PQRTX	Transistor
U105	NJM4560M	IC	Q134	B1GKCFAA0007	Transistor
U106	YWTC4W53FUL	IC	Q135-138	XN0643500L	Transistor
U107	NJM4560M	IC	Q139,140	2SA15320CL	Transistor
			Q141	2SC39310YL	Transistor
U301	YWTC4W53FUL	IC	Q142	XN0643500L	Transistor
U302	NJM4559M	IC	Q143	2SK662-PQRTX	Transistor
U303	C0JBAR000214	IC	Q144,145	2SA15320CL	Transistor
U304	NJM4559M	IC	Q146,301	2SC39310YL	Transistor
U305	NJM4560M	IC	Q302	2SA15320CL	Transistor
U306	YWTC4W53FUL	IC			
U307	NJM4560M	IC	Q303	B1CFCB000006	Transistor
U501	YWTC4W53FUL	IC	Q304	2SC39310YL	Transistor
U502	NJM4559M	IC	Q305	2SA15320CL	Transistor
U503	C0JBAR000214	IC	Q306	B1CFDA000001	Transistor
			Q307	2SC39310YL	Transistor
U504	NJM4559M	IC			
U505	NJM4560M	IC	Q308	2SA15320CL	Transistor
U506	YWTC4W53FUL	IC	Q309	2SC39310YL	Transistor
U507	NJM4560M	IC	Q310	2SA15320CL	Transistor
U701	NJM2902M	IC	Q311	B1CFCB000006	Transistor
			Q312,313	2SC39310YL	Transistor
U702	YWNJM4556AM	IC			
U703	C0ABCB000022	IC	Q314	2SD1819ARSTX	Transistor for AW-E800
U704	YWTC4W53FUL	IC	Q315	2SC39310YL	Transistor
U705	C0ABCB000022	IC	Q316	2SD1819ARSTX	Transistor
U706	C5AB00000001	IC	Q317-319	2SA15320CL	Transistor
			Q320	2SC39310YL	Transistor
U707	C0JBAA000021	IC			
U708	C0JBAE000087	IC	Q321,322	2SA15320CL	Transistor
U709	C5AB00000001	IC	Q323	2SC39310YL	Transistor
Q101	2SC39310YL	Transistor	Q324,325	XN0653400L	Transistor
Q102	2SA15320CL	Transistor	Q326	2SC39310YL	Transistor
			Q327	2SK662-PQRTX	Transistor
Q103	B1CFCB000006	FET			
Q104	2SC39310YL	Transistor	Q328	XN0653400L	Transistor
Q105	2SA15320CL	Transistor	Q329	XN0643500L	Transistor
Q106	B1CFDA000001	FET	Q330	B1GKCFAA0007	Transistor
Q107	2SC39310YL	Transistor	Q331	XN0643500L	Transistor
			Q332	2SA15320CL	Transistor
Q108	2SA15320CL	Transistor			
Q109	2SC39310YL	Transistor	Q333	2SK662-PQRTX	Transistor
Q110	2SA15320CL	Transistor	Q334	B1GKCFAA0007	Transistor
Q111	B1CFCB000006	Transistor	Q335-338	XN0643500L	Transistor
Q112,113	2SC39310YL	Transistor	Q339,340	2SA15320CL	Transistor
			Q341	2SC39310YL	Transistor

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
Q342	XN0643500L	Transistor	D102	MA3J14300L	Diode
Q343	2SK662-PQRTX	Transistor	D301	MA3J142K0L	Diode
Q344	2SA15320CL	Transistor	D302	MA3J14300L	Diode
Q345,501	2SC39310YL	Transistor	D501	MA3J142K0L	Diode
Q502	2SA15320CL	Transistor	D502	MA3J14300L	Diode
Q503	B1CFCB000006	Transistor	R1	ERJ3GEYJ203V	Carbon 20K ohms 1/16W
Q504	2SC39310YL	Transistor	R2	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q505	2SA15320CL	Transistor	R3	ERJ3GEYJ104V	Carbon 100K ohms 1/16W
Q506	B1CFDA000001	Transistor	R4	ERJ3GEYJ333	Carbon 33K ohms 1/16W
Q507	2SC39310YL	Transistor	R5	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q508	2SA15320CL	Transistor	R6	ERJ3GEYJ334V	Carbon 330K ohms 1/16W
Q509	2SC39310YL	Transistor	R7	ERJ3GEYJ333	Carbon 33K ohms 1/16W
Q510	2SA15320CL	Transistor	R8	ERJ3GEYJ334V	Carbon 330K ohms 1/16W
Q511	B1CFCB000006	Transistor	R9	ERJ3GEYJ102	Carbon 1K ohms 1/16W
Q512,513	2SC39310YL	Transistor	R10	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q514	2SD1819ARSTX	Transistor	R11	ERJ3GEYJ224	Carbon 220K ohms 1/16W
Q515	2SC39310YL	Transistor	R12	ERJ3GEYJ203V	Carbon 20K ohms 1/16W
Q516	2SD1819ARSTX	Transistor	R13	ERJ3GEYJ224	Carbon 220K ohms 1/16W
Q517-519	2SA15320CL	Transistor	R101	ERJ3GEYJ752V	Carbon 7.5K ohms 1/16W
Q520	2SC39310YL	Transistor	R102	ERJ3GEYJ821	Carbon 820 ohms 1/16W
Q521,522	2SA15320CL	Transistor	R103	ERJ3GEYJ223	Carbon 22K ohms 1/16W
Q523	2SC39310YL	Transistor for AW-E800	R104	ERJ3GEYJ153	Carbon 15K ohms 1/16W
Q524,525	XN0653400L	Transistor	R105	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q526	2SC39310YL	Transistor for AW-E800	R106	ERJ3GEYJ752V	Carbon 7.5K ohms 1/16W
Q527	2SK662-PQRTX	Transistor	R107	ERJ3GEYJ241V	Carbon 240 ohms 1/16W
Q528	XN0653400L	Transistor	R108	ERJ3GEYJ101	Carbon 100 ohms 1/16W
Q529	XN0643500L	Transistor	R109	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
Q530	B1GKCFAA0007	Transistor	R110	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q531	XN0643500L	Transistor	R111,112	ERJ3GEYJ153	Carbon 15K ohms 1/16W
Q532	2SA15320CL	Transistor	R113	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q533	2SK662-PQRTX	Transistor	R114	ERJ3GEYJ122	Carbon 1.2K ohms 1/16W
Q534	B1GKCFAA0007	Transistor	R115	ERJ3GEYJ220	Carbon 22 ohms 1/16W
Q535-538	XN0643500L	Transistor	R116	ERJ3GEYJ303V	Carbon 30K ohms 1/16W
Q539,540	2SA15320CL	Transistor	R117	ERJ3GEYJ153	Carbon 15K ohms 1/16W
Q541	2SC39310YL	Transistor for AW-E800	R118	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
Q542	XN0643500L	Transistor	R119	ERJ3GEYJ821	Carbon 820K ohms 1/16W
Q543	2SK662-PQRTX	Transistor	R121	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
Q544	2SA15320CL	Transistor	R122	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
Q545	2SC39310YL	Transistor for AW-E800	R123	EVM7JSW30B53	Variable Resistor
Q701	2SB0766AHL	Transistor	R124	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q702	2SD0874AHL	Transistor for AW-E800	R125	ERJ3GEYJ752V	Carbon 7.5K ohms 1/16W
Q703	2SB0766AHL	Transistor	R126	ERJ3GEYJ102	Carbon 1K ohms 1/16W
Q704,706	2SB1218AHL	Transistor	R127	ERJ3GEYJ151	Carbon 150 ohms 1/16W
Q707	2SB1218AHL	Transistor	R128	EVM7JSW30B12	Variable Resistor
Q708	2SD1819ARSTX	Transistor	R130	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
Q709	2SB1218AHL	Transistor	R131	ERJ3GEYJ102	Carbon 1K ohms 1/16W
Q710,711	2SD1819ARSTX	Transistor	R132	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q712	2SB1218AHL	Transistor	R133	ERJ3GEYJ752V	Carbon 7.5K ohms 1/16W
Q713,714	2SD1819ARSTX	Transistor	R134	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q718-720	2SD1819ARSTX	Transistor	R135	ERJ3GEYJ153	Carbon 15K ohms 1/16W
Q721,722	2SB1218AHL	Transistor	R136	ERJ3GEYJ561	Carbon 560 ohms 1/16W
Q723-725	2SD1819ARSTX	Transistor	R137	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
Q726	2SB1218AHL	Transistor	R138	ERJ3GEYJ751V	Carbon 750 ohms 1/16W
Q727	2SD1819ARSTX	Transistor	R139	ERJ3GEYJ752V	Carbon 7.5K ohms 1/16W
D1,101	MA3J142K0L	Diode	R140	ERJ3GEYJ362V	Carbon 3.6K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R141	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W	R205	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R142,143	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R206	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R144	ERJ3GEYJ822	Carbon	8.2K ohms 1/16W	R207	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R145,146	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R208	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R147	ERJ3GEYJ822	Carbon	8.2K ohms 1/16W	R209	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R148	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R210	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R149	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R211	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R150	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R212	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R151	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R213	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R152	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R214	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R153	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R215	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R154	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R216	ERJ3RHD222V	Metal	2.2K ohms 1/16W
R155	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R217	ERJ3RHD153V	Metal	15K ohms 1/16W
R156,157	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R218	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R158	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R219	ERJ3GEYJ914V	Carbon	910K ohms 1/16W
R159	ERJ3GEYJ100	Carbon	10 ohms 1/16W	R220	ERJ3RHD203V	Metal	20K ohms 1/16W
R160,161	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R221	ERJ3RHD432V	Metal	4.3K ohms 1/16W
R162,163	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R222	ERJ3RHD512V	Metal	5.1K ohms 1/16W
R164	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R223	ERJ3RHD751V	Metal	750 ohms 1/16W
R165	ERJ3GEYJ333	Carbon	33K ohms 1/16W	R224	ERJ3RHD683V	Metal	68K ohms 1/16W
R166	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R225	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R167	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R226	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R168	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R227	ERJ3RHD242V	Metal	2.4K ohms 1/16W
R169	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R228	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R170,171	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R229,230	ERJ3RHD471V	Metal	470 ohms 1/16W
R172	ERJ3GEYJ112V	Carbon	1.1K ohms 1/16W	R231	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R173	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R232	ERJ3RHD102V	Metal	1K ohms 1/16W
R174	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W	R233	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R175	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R235	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R176	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W	R236	ERJ3RHD202V	Metal	2K ohms 1/16W
R177	ERJ3GEYJ822	Carbon	8.2K ohms 1/16W	R237	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R178	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R238	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R179	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R239	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R180	ERJ3GEYJ121	Carbon	120 ohms 1/16W	R240	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R181	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R241	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R182	ERJ3GEYJ471	Carbon	470 ohms 1/16W	R242	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R183	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W	R243	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R184	ERJ3GEYJ681	Carbon	680 ohms 1/16W	R244	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R185	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W	R245	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R186	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R246	EVM7JSW30B53	Variable Resistor	5K ohms 1/20W
R187	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R247	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W
R188	ERJ3GEYJ203V	Carbon	20K ohms 1/16W	R248	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R189	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R249	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R190	ERJ3GEYJ683	Carbon	68K ohms 1/16W	R255,256	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W
R192	ERJ3GEYJ563	Carbon	56K ohms 1/16W	R257	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R193	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R258	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R194	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R301	ERJ3GEYJ752V	Carbon	7.5K ohms 1/16W
R195	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R302	ERJ3GEYJ821	Carbon	820 ohms 1/16W
R196,197	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R303	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R198	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R304	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R199	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R305	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R200	ERJ3GEYJ823V	Carbon	82K ohms 1/16W	R306	ERJ3GEYJ752V	Carbon	7.5K ohms 1/16W
R201,202	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W	R307	ERJ3GEYJ241V	Carbon	240 ohms 1/16W
R203	ERJ3GEYJ183	Carbon	18K ohms 1/16W	R308	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R204	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W	R309	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R310	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R377	ERJ3GEYJ822	Carbon	8.2K ohms 1/16W
R311,312	ERJ3GEYJ153	Carbon	15K ohms 1/16W	R378	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R313	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R379	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R314	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R380	ERJ3GEYJ121	Carbon	120 ohms 1/16W
R315	ERJ3GEYJ220	Carbon	22 ohms 1/16W	R381	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R316	ERJ3GEYJ303V	Carbon	30K ohms 1/16W	R382	ERJ3GEYJ471	Carbon	470 ohms 1/16W
R317	ERJ3GEYJ153	Carbon	15K ohms 1/16W	R383	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W
R318	ERJ3GEYJ272	Carbon	2.8K ohms 1/16W	R384	ERJ3GEYJ681	Carbon	680 ohms 1/16W
R319	ERJ3GEYJ821	Carbon	820 ohms 1/16W	R385	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W
R321	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R386	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R322	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R387	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R323	EVM7JSW30B53	Variable Resistor	5K ohms 1/20W	R388	ERJ3GEYJ203V	Carbon	20K ohms 1/16W
R324	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R389	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R325	ERJ3GEYJ752V	Carbon	7.5K ohms 1/16W	R390	ERJ3GEYJ683	Carbon	68K ohms 1/16W
R326	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R392	ERJ3GEYJ563	Carbon	56K ohms 1/16W
R327	ERJ3GEYJ151	Carbon	150 ohms 1/16W	R393	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R328	EVM7JSW30B12	Variable Resistor	100 ohms	R394	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R330	ERJ3GEYJ562	Carbon	5.6K ohms 1/16W	R395	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R331	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R396,397	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R332	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R398	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R333	ERJ3GEYJ752V	Carbon	7.5K ohms 1/16W	R399	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R334	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R400	ERJ3GEYJ823V	Carbon	82K ohms 1/16W
R335	ERJ3GEYJ153	Carbon	15K ohms 1/16W	R401,402	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W
R336	ERJ3GEYJ561	Carbon	560 ohms 1/16W	R403	ERJ3GEYJ183	Carbon	18K ohms 1/16W
R337	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W	R404	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W
R338	ERJ3GEYJ751V	Carbon	750 ohms 1/16W	R405	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R339	ERJ3GEYJ752V	Carbon	7.5K ohms 1/16W	R406	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R340	ERJ3GEYJ362V	Carbon	3.6K ohms 1/16W	R407	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R341	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W	R408	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R342,343	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R409	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R344	ERJ3GEYJ822	Carbon	8.2K ohms 1/16W	R410	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R345,346	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R411	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R347	ERJ3GEYJ822	Carbon	8.2K ohms 1/16W	R412	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R348	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R413	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R349	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R414	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R350	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R415	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R351	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R416	ERJ3RHD222V	Metal	2.2K ohms 1/16W
R352	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R417	ERJ3RHD153V	Metal	15K ohms 1/16W
R353	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R418	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R354	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R419	ERJ3GEYJ914V	Carbon	910K ohms 1/16W
R355	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R420	ERJ3RHD203V	Metal	20K ohms 1/16W
R356,357	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R421	ERJ3RHD432V	Metal	4.3K ohms 1/16W
R358	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R422	ERJ3RHD512V	Metal	5.1K ohms 1/16W
R359	ERJ3GEYJ100	Carbon	10 ohms 1/16W	R423	ERJ3RHD751V	Metal	750 ohms 1/16W
R360,361	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R424	ERJ3RHD683V	Metal	68K ohms 1/16W
R362,363	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R425	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R364	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R426	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R365	ERJ3GEYJ333	Carbon	33K ohms 1/16W	R427	ERJ3RHD242V	Metal	2.4K ohms 1/16W
R366	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R428	ERJ3GEYJ153	Carbon	15K ohms 1/16W
R367	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R429,430	ERJ3RHD471V	Metal	470 ohms 1/16W
R368	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R431	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R369	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R432	ERJ3RHD102V	Metal	1K ohms 1/16W
R370,371	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R433	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R372	ERJ3GEYJ112V	Carbon	1.1K ohms 1/16W	R435	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R373	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R436	ERJ3RHD202V	Metal	2K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R374	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W	R542,543	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R375	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R544	ERJ3GEYJ822	Carbon	8.2K ohms 1/16W
R376	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W	R545,546	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R437	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R547	ERJ3GEYJ822	Carbon	8.2K ohms 1/16W
R438	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R548	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R439	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R549	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R440	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R550	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R444	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R551	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R445	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R552	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R446	EVM7JSW30B53	Variable Resistor	5K ohms 1/20W	R553	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R447	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W	R554	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R448	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R555	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R449	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R556,557	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R451	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R558	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R455,456	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W	R559	ERJ3GEYJ100	Carbon	10 ohms 1/16W
R457	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R560,561	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R458	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R562,563	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R501	ERJ3GEYJ752V	Carbon	7.5K ohms 1/16W	R564	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R502	ERJ3GEYJ821	Carbon	820 ohms 1/16W	R565	ERJ3GEYJ333	Carbon	33K ohms 1/16W
R503	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R566	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R504	ERJ3GEYJ153	Carbon	15K ohms 1/16W	R567	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R505	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R568	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R506	ERJ3GEYJ752V	Carbon	7.5K ohms 1/16W	R569	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R507	ERJ3GEYJ241V	Carbon	240 ohms 1/16W	R570,571	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R508	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R572	ERJ3GEYJ112V	Carbon	1.1K ohms 1/16W
R509	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R573	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R510	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R574	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W
R511,512	ERJ3GEYJ153	Carbon	15K ohms 1/16W	R575	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R513	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R576	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W
R514	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R577	ERJ3GEYJ822	Carbon	8.2K ohms 1/16W
R515	ERJ3GEYJ220	Carbon	22 ohms 1/16W	R578	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R516	ERJ3GEYJ303V	Carbon	30K ohms 1/16W	R579	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R517	ERJ3GEYJ153	Carbon	15K ohms 1/16W	R580	ERJ3GEYJ121	Carbon	120 ohms 1/16W
R518	ERJ3GEYJ272	Carbon	2.7K ohms 1/16W	R581	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R519	ERJ3GEYJ821	Carbon	820 ohms 1/16W	R582	ERJ3GEYJ471	Carbon	470 ohms 1/16W
R521	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R583	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W
R522	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R584	ERJ3GEYJ681	Carbon	680 ohms 1/16W
R523	EVM7JSW30B53	Variable Resistor	5K ohms 1/20W	R585	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W
R524	ERJ3GEY0R00	Carbon	0 ohms 1/16W	R586	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R525	ERJ3GEYJ752V	Carbon	7.5K ohms 1/16W	R587	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R526	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R588	ERJ3GEYJ203V	Carbon	20K ohms 1/16W
R527	ERJ3GEYJ151	Carbon	150 ohms 1/16W	R589	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R528	EVM7JSW30B12	Variable Resistor	100 ohms	R590	ERJ3GEYJ683	Carbon	68K ohms 1/16W
R530	ERJ3GEYJ562	Carbon	5.6K ohms 1/16W	R592	ERJ3GEYJ563	Carbon	56K ohms 1/16W
R531	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R593	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R532	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R594	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R533	ERJ3GEYJ752V	Carbon	7.5K ohms 1/16W	R595	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R534	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R596,597	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R535	ERJ3GEYJ153	Carbon	15K ohms 1/16W	R598	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R536	ERJ3GEYJ561	Carbon	560 ohms 1/16W	R599	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R537	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W	R600	ERJ3GEYJ823V	Carbon	82K ohms 1/16W
R538	ERJ3GEYJ751V	Carbon	750 ohms 1/16W	R601,602	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W
R539	ERJ3GEYJ752V	Carbon	7.5K ohms 1/16W	R603	ERJ3GEYJ183	Carbon	18K ohms 1/16W
R540	ERJ3GEYJ362V	Carbon	3.6K ohms 1/16W	R604	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W
R541	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W	R605	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R606	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R717	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R607	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R718	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R608	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R719	ERJ3RHD273V	Metal	27K ohms 1/16W
R609	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R720	ERJ3RHD433V	Metal	43K ohms 1/16W
R610	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R721	ERJ3RHD563V	Metal	56K ohms 1/16W
R611	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R724	ERJ3RHD123V	Metal	12K ohms 1/16W
R612	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R725	ERJ3RHD511V	Metal	510 ohms 1/16W
R613	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R726-728	ERJ3RHD103V	Metal	10K ohms 1/16W
R614	ERJ3RHD103	Carbon	10K ohms 1/16W	R729	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R615	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R730-732	ERJ3RHD473V	Metal	47K ohms 1/16W
R616	ERJ3RHD222V	Metal	2.2K ohms 1/16W	R733	ERJ3RHD393V	Metal	39K ohms 1/16W
R617	ERJ3RHD153V	Metal	15K ohms 1/16W	R734	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R618	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R735	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R619	ERJ3GEYJ914V	Carbon	910K ohms 1/16W	R736-738	ERJ3GEYJ104V	Carbon	100K ohms 1/16W
R620	ERJ3RHD203V	Metal	20K ohms 1/16W	R739	ERJ3RHD393V	Metal	39K ohms 1/16W
R621	ERJ3RHD432V	Metal	4.3K ohms 1/16W	R740	ERJ3RHD203V	Metal	20K ohms 1/16W
R622	ERJ3RHD512V	Metal	5.1K ohms 1/16W	R741	ERJ3RHD103V	Metal	10K ohms 1/16W
R623	ERJ3RHD751V	Metal	750 ohms 1/16W	R742	ERJ3RHD472V	Metal	4.7K ohms 1/16W
R624	ERJ3RHD683V	Metal	68K ohms 1/16W	R743	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R625	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R744	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W
R626	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R745	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R627	ERJ3RHD242V	Metal	2.4K ohms 1/16W	R746	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R628	ERJ3GEYJ153	Carbon	15K ohms 1/16W	R747	ERJ3GEYJ681	Carbon	680 ohms 1/16W
R629,630	ERJ3RHD471V	Metal	470 ohms 1/16W	R748	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R631	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R749	ERJ3GEYJ183	Carbon	18K ohms 1/16W
R632	ERJ3RHD102V	Metal	1K ohms 1/16W	R750	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R633	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R751	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R635	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R752	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R636	ERJ3RHD202V	Metal	2K ohms 1/16W	R753	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R637	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R754	ERJ3GEYJ821	Carbon	820 ohms 1/16W
R638	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R757	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R639	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R758	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R640	ERJ3GEY0R00	Carbon	0 ohms 1/16W	R759	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R644	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R760	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W
R645	ERJ3GEYJ681	Carbon	680 ohms 1/16W	R761	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R646	EVM7JSW30B23	Variable Resistor	2K ohms 1/20W	R762	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R647	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R771	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R648	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R772,773	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R649	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R774	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W
R655,656	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W	R775	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R657	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R776	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W
R658	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R777	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R701-703	ERJ3RHD473V	Metal	47K ohms 1/16W	R778	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W
R704	ERJ3RHD513V	Metal	51K ohms 1/16W	R779	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R705	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R780	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R706	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R781	ERJ3GEYJ242	Carbon	2.4K ohms 1/16W
R707,708	ERJ3RHD473V	Metal	47K ohms 1/16W	R782	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W
R709	ERJ3RHD132V	Metal	1.3K ohms 1/16W	R783	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W
R710	ERJ3RHD203V	Metal	20K ohms 1/16W	R784	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R711	ERJ3RHD623V	Metal	62K ohms 1/16W	R785	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W
R712	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R786	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R713	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R787	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W
R714	ERJ3RHD103V	Metal	10K ohms 1/16W	R788	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R715	ERJ3GEYF510V	Carbon	10K ohms 1/16W	R789	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R716	ERJ3RHD122V	Metal	1.2K ohms 1/16W	R790,791	ERJ3GEYJ223	Carbon	22K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R792	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W	C101	YGM1C220J1HT	Ceramic	22 pF
R793	ERJ3GEYJ473	Carbon	47K ohms 1/16W	C102	YGM1C100D1HT	Ceramic	10 pF
R794	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W	C103	GRM9CH150J5H	Ceramic	15 pF
R795	ERJ3GEYJ473	Carbon	47K ohms 1/16W	C104	YGM1C100D1HT	Ceramic	10 pF
R796	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W	C105	F3F1C1060002	Tantalum	10 µF 16V
R797	ERJ3GEYJ473	Carbon	47K ohms 1/16W	C106	F3G1C2260001	Tantalum	22 µF 16V
R800	ERJ3GEYJ223	Carbon	22K ohms 1/16W	C107,108	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R801	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W	C109	YGM1C390J1HT	Ceramic	39 pF
R802	ERJ3GEYJ473	Carbon	47K ohms 1/16W	C110	YWSK51A106MA	Tantalum	10 µF 10V
R803	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W	C111	YWK210C100R	Electrolytic	10 µF 10V
R804	ERJ3GEYJ473	Carbon	47K ohms 1/16W	C112	YGM1C220J1HT	Ceramic	22 pF
R805	EVM7JSW30B54	Variable Resistor	50K ohms 1/20W	C113	SK31C476MRD0	Tantalum	47 µF 16V
R806	ERJ3GEYJ473	Carbon	47K ohms 1/16W	C116	YWSK51A106MA	Tantalum	10 µF 10V
R807-809	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C117,119	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R810	ERJ3GEYJ333	Carbon	33K ohms 1/16W	C120	SK31C476MRD0	Tantalum	47 µF 16V
R811	ERJ3RHD472V	Metal	4.7K ohms 1/16W	C121	YWSK41A476MC	Tantalum	47 µF 10V
R812	ERJ3RHD102V	Metal	1K ohms 1/16W	C122	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R813	ERJ3GEYF300V	Carbon	30 ohms 1/16W	C124	YGM1F105Z1AT	Ceramic	1 µF
R814	ERJ3RHD121V	Metal	120 ohms 1/16W	C125	YGM1C020C1HT	Ceramic	2 pF
R815	ERJ3RHD331V	Metal	330 ohms 1/16W	C126	YGM1F105Z1AT	Ceramic	1 µF
R816	ERJ3GEYF470V	Carbon	47K ohms 1/16W	C127	F3G1C1560001	Tantalum	15 µF 16V
R817	ERJ3RHD181V	Metal	180 ohms 1/16W	C129	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R818	ERJ3GEYF470V	Carbon	47K ohms 1/16W	C130	F3G1C1560001	Tantalum	15 µF 16V
R819	ERJ3RHD101V	Metal	100 ohms 1/16W	C131	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R820	ERJ3GEYF150V	Carbon	15 ohms 1/16W	C132	F3G1C1560001	Tantalum	15 µF 16V
R821	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C133	F1H1H471A004	Ceramic	470 pF
R822	ERJ3GEYJ334V	Carbon	330K ohms 1/16W	C134	GRM9CJ030C5H	Ceramic	3 pF
R823	ERJ3GEYJ224	Carbon	220K ohms 1/16W	C135	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R824,826	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	C136	SK40G107MC	Tantalum	100 µF 4V
R827	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C137	F3G1C1560001	Tantalum	15 µF 16V
R834	ERJ3RHD101V	Metal	100 ohms 1/16W	C139	YGM1F105Z1AT	Ceramic	1 µF
R835	ERJ3RHD621V	Metal	620 ohms 1/16W	C140-143	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R855	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C144	YGM1B103K1HT	Ceramic	0.01 µF
R856	D4B682400001	Metal	6.8K ohms 1/16W	C145-150	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R857	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C151	F3G1C1560001	Tantalum	15 µF 16V
R865	ERJ3GEYJ162V	Carbon	1.6K ohms 1/16W	C152	F1H1H270A231	Ceramic	27 pF
R866	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C156	YGM1B103K1HT	Ceramic	0.01 µF
R867	ERJ3GEYJ393V	Carbon	39K ohms 1/16W	C157	F3G1C1560001	Tantalum	15 µF 16V
R868	ERJ3GEYJ133V	Carbon	13K ohms 1/16W	C158	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R869	ERJ3GEYJ153	Carbon	15K ohms 1/16W	C159,160	F3G1C1560001	Tantalum	15 µF 16V
R870	ERJ3GEYJ202V	Carbon	2K ohms 1/16W	C161	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R871	ERJ3GEYJ302V	Carbon	3K ohms 1/16W	C162	YWSK51A106MA	Tantalum	10 µF 10V
R872	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C163	YGM1C060D1HT	Ceramic	6 pF
R873,874	ERJ3GEYJ203V	Carbon	20K ohms 1/16W	C301	YGM1C220J1HT	Ceramic	22 pF
R875	ERJ3GEYJ272	Carbon	2.7K ohms 1/16W	C302	YGM1C100D1HT	Ceramic	10 pF
R876	ERJ3GEYJ162V	Carbon	1.6K ohms 1/16W	C303	GRM9CH150J5H	Ceramic	15 pF
R877,878	ERJ3GEYJ223	Carbon	22K ohms 1/16W	C304	YGM1C100D1HT	Ceramic	10 pF
R879	ERJ3GEYJ242	Carbon	2.4K ohms 1/16W	C305	F3F1C1060002	Tantalum	10 µF 16V
R880	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C306	F3G1C2260001	Tantalum	22 µF 16V
R881	ERJ3GEYJ273	Carbon	27K ohms 1/16W	C307,308	YGM1F104Z1ET	Ceramic	0.1 µF 25V
C1	YGM1F105Z1AT	Ceramic	1 µF	C309	YGM1C390J1HT	Ceramic	39 pF
C2	GRM9CH151J5H	Ceramic	150 pF	C310	YWSK51A106MA	Tantalum	10 µF 10V
C3	YGM1F104Z1ET	Ceramic	0.1 µF 25V	C311	YWK210C100R	Electrolytic	10 µF 10V
C4	YGM1F105Z1AT	Ceramic	1 µF	C312	YGM1C220J1HT	Ceramic	22 pF
C5	YGM1B103K1HT	Ceramic	0.01 µF	C313	SK31C476MRD0	Tantalum	47 µF 16V

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
C316	YWSK51A106MA	Tantalum	10 μ F 10V	C533	F1H1H471A004	Ceramic	470 pF
C317,319	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C534	GRM9CJ030C5H	Ceramic	3 pF
C320	SK31C476MRD0	Tantalum	47 μ F 16V	C535	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C321	YWSK41A476MC	Tantalum	47 μ F 10V	C536	SK40G107MC	Tantalum	100 μ F 4V
C322	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C537	F3G1C1560001	Tantalum	15 μ F 16V
C324	YGM1F105Z1AT	Ceramic	1 μ F	C539	YGM1F105Z1AT	Ceramic	1 μ F
C325	YGM1C020C1HT	Ceramic	2 pF	C540-543	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C326	YGM1F105Z1AT	Ceramic	1 μ F	C544	YGM1B103K1HT	Ceramic	0.01 μ F
C327	F3G1C1560001	Tantalum	15 μ F 16V	C545-550	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C329	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C551	F3G1C1560001	Tantalum	15 μ F 16V
C330	F3G1C1560001	Tantalum	15 μ F 16V	C552	F1H1H270A231	Ceramic	27 pF
C331	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C556	YGM1B103K1HT	Ceramic	0.01 μ F
C332	F3G1C1560001	Tantalum	15 μ F 16V	C557	F3G1C1560001	Tantalum	15 μ F 16V
C333	F1H1H471A004	Ceramic	470 pF	C558	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C334	GRM9CJ030C5H	Ceramic	3 pF	C559,560	F3G1C1560001	Tantalum	15 μ F 16V
C335	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C561	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C336	SK40G107MC	Tantalum	100 μ F 4V	C563	YGM1C060D1HT	Ceramic	6 pF
C337	F3G1C1560001	Tantalum	15 μ F 16V	C701	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C339	YGM1F105Z1AT	Ceramic	1 μ F	C702	SK41C336MC	Tantalum	33 μ F 6.3V
C340-343	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C703	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C344	YGM1B103K1HT	Ceramic	0.01 μ F	C704	YGM1F105Z1AT	Ceramic	1 μ F
C345-350	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C705	SK41C336MC	Tantalum	33 μ F 6.3V
C351	F3G1C1560001	Tantalum	15 μ F 16V	C706	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C352	F1H1H270A231	Ceramic	27 pF	C707	SK41A107ME	Tantalum	100 μ F 10V
C356	YGM1B103K1HT	Ceramic	0.01 μ F	C708,709	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C357	F3G1C1560001	Tantalum	15 μ F 16V	C711	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C358	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C712	F3G1A3360001	Tantalum	33 μ F 10V
C359,360	F3G1C1560001	Tantalum	15 μ F 16V	C713,714	YGM1F105Z1AT	Ceramic	1 μ F
C361	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C715,716	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C363	YGM1C060D1HT	Ceramic	6 pF	C717	SK41C336MC	Tantalum	33 μ F 6.3V
C501	YGM1C220J1HT	Ceramic	22 pF	C718,719	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C502	YGM1C100D1HT	Ceramic	10 pF	C720	GRM9B472K5H	Ceramic	4700 pF
C503	GRM9CH150J5H	Ceramic	15 pF	C721	GRM9B222K5H	Ceramic	2200 pF
C504	YGM1C100D1HT	Ceramic	10 pF	C722	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C505	F3F1C1060002	Tantalum	10 μ F 16V	C724	GRM9CH101J5H	Ceramic	100 pF
C506	F3G1C2260001	Tantalum	22 μ F 16V	C726	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C507,508	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C727-730	SK21A225KRA	Electrolytic	2.2 μ F 10V
C509	YGM1C390J1HT	Ceramic	39 pF	C731	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C510	YWSK51A106MA	Tantalum	10 μ F 10V	C732	F3G1C1560001	Tantalum	15 μ F 16V
C511	YWK210C100R	Electrolytic	10 μ F 10V	C733	YGM1F105Z1AT	Ceramic	1 μ F
C512	YGM1C220J1HT	Ceramic	22 pF	C734	F1H1H102A190	Ceramic	1000 pF
C513	SK31C476MRD0	Tantalum	47 μ F 16V	C735,736	F3G1C1560001	Tantalum	15 μ F 16V
C516	YWSK51A106MA	Tantalum	10 μ F 10V	C737	YGM1F105Z1AT	Ceramic	1 μ F
C517,519	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C738	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C520	SK31C476MRD0	Tantalum	47 μ F 16V	E101-105	YWRCT2125TPV	Terminal Pin	
C521	YWSK41A476MC	Tantalum	47 μ F 10V	E107,301	YWRCT2125TPV	Terminal Pin	
C522	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	E302-305	YWRCT2125TPV	Terminal Pin	
C524	YGM1F105Z1AT	Ceramic	1 μ F	E307,501	YWRCT2125TPV	Terminal Pin	
C525	YGM1C020C1HT	Ceramic	2 pF	E502-505	YWRCT2125TPV	Terminal Pin	
C526	YGM1F105Z1AT	Ceramic	1 μ F	E507,701	YWRCT2125TPV	Terminal Pin	
C527	F3G1C1560001	Tantalum	15 μ F 16V	CF101	J0E6504B0002	Filter	
C529	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	CF102	J0E1305B0001	Filter	
C530	F3G1C1560001	Tantalum	15 μ F 16V	CF301	J0E6504B0002	Filter	
C531	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	CF302	J0E1305B0001	Filter	
C532	F3G1C1560001	Tantalum	15 μ F 16V	CF501	J0E6504B0002	Filter	

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
CF502 P1 P2 L101,301 L501 S701 S702 S703,704	J0E1305B0001 K1MZ10B00003 K1MR70B00002 G1C2R7J00003 G1C2R7J00003 SKHHLS SKHHLR SKHHLQ	Filter 10-pin Connector 70-pin Connector Coil Coil Skhhls Push Switch Skhhlr Push Switch Skhhllq Push Switch	U15 U16 U17 U18 U19 U20-22 U23,24 U25 U27 U28,29	YWMC145407F YWNJM4556AM YWTC7W14FUL YWM62352GP NJM2904M C1AB00000324 YVVY06632 YVVY06633 NJM2902M C0JBAE000004	IC IC IC IC IC IC IC IC IC IC
JOINT BOARD			U32 U33 U34 U35 U37	C0JBAE000004 UL1A529A MC74HC4046AF YTLC272CPS C0JBAE000004	IC IC IC IC IC
PCB3 (RTL) U1 Q1 Q2 D1 R1 R2 R3 C1,2 C3 SF1 △ P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 M27 △	WE800EKD2A C0JBAR000023 2SD0874AHL 2SD1819ARSTX MAZ307500L ERJ3GEYJ104V ERJ3GEYJ512V ERJ3GEYJ104V YGM1F104Z1ET F3G1C2260001 K5H101A00003 K1MR70B00001 K1MR70B00002 PANB1A061 K1MR70B00002 K1MR70B00002 PANB1A061 K1MR70B00001 K1KB30B00014 K1MR70B00001 K1KA02A00065 YW7G1B016A	Printed Circuit Board Ass'y IC Transistor Transistor Diode Carbon 100K ohms 1/16W Carbon 5.1K ohms 1/16W Carbon 100K ohms 1/16W Ceramic 0.1 µF 25V Tantalum 22 µF 16V Current Fuse 70-pin Connector 70-pin Connector 12-pin Connector 70-pin Connector 70-pin Connector 12-pin Connector 70-pin Connector 30-pin Connector 70-pin Connector 2-pin Connector Fuse Change Label	U38 U39 U40 U41,42 Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11-14 D1 D2,3 R1 R2 R3 R4,5 R6 R7 R8 R9,11 R12-38 R39 R40,41 R42,43 R44 R45 R46,47 R48 R49 R50 R51 R52 R53 R54 R55	YWMB40950 YWMC74AC138M NJM2904M C0JBAA000115 IMZ1T9 2SB07660HL B1ABCF000059 2SB07660HL B1ABCF000059 2SB07660HL B1ABCF000059 2SB07660HL B1ABCF000059 2SB07660HL B1ABCF000059 MA3J142K0L MA3J14300L ERJ3GEYJ101 ERJ3GEYJ473 ERJ3GEYJ101 ERJ3GEYJ473 ERJ3GEYJ103 ERJ3GEYJ203V ERJ3GEYJ473 ERJ3GEYJ220 ERJ3GEYJ220 ERJ3GEY0R00 ERJ3GEYJ473 ERJ3RHD103V ERJ3GEYJ682 ERJ3GEYJ472 ERJ3GEYJ473 ERJ3GEYJ222 ERJ3GEYJ101 ERJ3GEYJ222 ERJ3GEYJ104V ERJ3GEYJ510 ERJ3GEYJ101 ERJ3GEYJ513 ERJ3GEYJ102	IC IC IC IC Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Diode Diode Carbon 100 ohms 1/16W Carbon 47K ohms 1/16W Carbon 100 ohms 1/16W Carbon 47K ohms 1/16W Carbon 10K ohms 1/16W Carbon 20K ohms 1/16W Carbon 47K ohms 1/16W Carbon 22 ohms 1/16W Carbon 22 ohms 1/16W Carbon 0 ohm 1/16W Carbon 47K ohms 1/16W Metal 10K ohms 1/16W Carbon 6.8K ohms 1/16W Carbon 4.7K ohms 1/16W Carbon 47K ohms 1/16W Carbon 2.2K ohms 1/16W Carbon 100 ohms 1/16W Carbon 2.2K ohms 1/16W Carbon 100K ohms 1/16W Carbon 51 ohms 1/16W Carbon 100 ohms 1/16W Carbon 51K ohms 1/16W Carbon 1K ohms 1/16W
DSP BOARD			U10 U11 U12 U13 U14	C0JBAA000148 UL1A532A YWBR9040FT1 UPD6465GT611 C0JBAB000005 YWTC7SH32FUL C0JBAA000148 C0JBAB000004 C0JBAR000023 C0JBAA000022	IC IC IC IC IC IC IC IC IC IC

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R56	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R193,194	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R57	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R195	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R58,59	ERJ3GEYJ104V	Carbon	100K ohms 1/16W	R196,197	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R60,61	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R200,220	ERJ3GEY0R00	Carbon	0 ohm 1/16W for AW-E800
R62	ERJ3GEYJ470	Carbon	47 ohms 1/16W				
R63	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R221-223	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R64	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R224	ERJ3RHD202V	Metal	2K ohms 1/16W
R65-70	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R225	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R71	ERJ3GEYJ433V	Carbon	43K ohms 1/16W	R226	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R72,73	ERJ3GEYJ272	Carbon	2.7K ohms 1/16W	R227	ERJ3RHD302V	Metal	3K ohms 1/16W
R74	ERJ3GEYJ433V	Carbon	43K ohms 1/16W	R228-230	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R75	ERJ3GEYJ470	Carbon	47 ohms 1/16W	R231	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R76	ERJ3GEYJ202V	Carbon	2K ohms 1/16W	R232	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W
R77,78	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R233	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R83,87	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R234	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R88,89	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R235	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W
R94,98	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R236	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R99,100	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R237	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R101-107	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R238	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W
R110-115	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R239	ERJ3GEY0R00	Carbon	0 ohm 1/16W for AW-E800E
R116	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R240	ERJ3RHD362V	Metal	3.6K ohms 1/16W
R117-125	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R241	ERJ3RHD332V	Metal	3.3K ohms 1/16W
R126	ERJ3GEYJ100	Carbon	10 ohms 1/16W	R242	ERJ3RHD103V	Metal	10K ohms 1/16W
R127	ERJ3GEYJ473	Carbon	47K ohms 1/16W	C1	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R128-137	ERJ3RHD202V	Metal	2K ohms 1/16W	C2	YGM1F105Z1AT	Ceramic	1 µF
R138	ERJ3RHD751V	Metal	750 ohms 1/16W	C3-7	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R139-147	ERJ3RHD102V	Metal	1K ohms 1/16W	C8	YWSK51A106MA	Tantalum	10 µF 10V
R148	ERJ3RHD202V	Metal	2K ohms 1/16W	C9-13	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R149	ERJ3RHD203V	Metal	20K ohms 1/16W	C14	YWSK51A106MA	Tantalum	10 µF 10V
R150	ERJ3RHD153V	Metal	15K ohms 1/16W	C15	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R151	ERJ3RHD152V	Metal	1.5K ohms 1/16W	C16	F1H1H300A004	Ceramic	30 pF 50V
R152	ERJ3RHD182V	Metal	1.8K ohms 1/16W	C17	GRM9CH150J5H	Ceramic	15 pF
R153	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C18	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R154	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C19	GRM9CH101J5H	Ceramic	100 pF
R155	ERJ3RHD302V	Metal	3K ohms 1/16W	C20,21	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R156	ERJ3RHD202V	Metal	2K ohms 1/16W	C22	YWSK41A476MC	Tantalum	47 µF 10V
R157	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C23	GRM9CH101J5H	Ceramic	100 pF
R158	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C24	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R159	ERJ3RHD302V	Metal	3K ohms 1/16W	C25,26	F3H0J2260003	Tantalum	22 µF 6.3V
R160	ERJ3RHD202V	Metal	2K ohms 1/16W	C27	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R161	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C28	F1H1H102A190	Ceramic	1000 µF 50V
R162	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C29	F3H1A2260003	Tantalum	22 µF 10V
R163	ERJ3RHD183V	Metal	18K ohms 1/16W	C30-32	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R164,165	ERJ3RHD103V	Metal	10K ohms 1/16W	C33	GRM9CH101J5H	Ceramic	100 pF
R166	ERJ3RHD202V	Metal	2K ohms 1/16W	C34-37	SK31E106KRC	Tantalum	10 µF 25V
R167	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C38	SK41C336MC	Tantalum	22 µF 6.3V
R168	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C39,41	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R169,172	ERJ3GEYJ473	Carbon	47K ohms 1/16W	C43,44	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R177,180	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C46	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R181,184	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C47	YGM1F105Z1AT	Ceramic	1 µF
R185	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C48-52	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R186	ERJ3GEYJ822	Carbon	8.2K ohms 1/16W	C53	YGM1F105Z1AT	Ceramic	1 µF
R189,190	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C54-58	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R191	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C59	YGM1F105Z1AT	Ceramic	1 µF
R192	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	C60-68	YGM1F104Z1ET	Ceramic	0.1 µF 25V

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
C69	YWSK51A106MA	Tantalum	10 μ F 10V	M33	1C1A114A	Gasket C	
C70-78	YGM1F104Z1ET	Ceramic	0.1 μ F 25V				
C79	YWSK51A106MA	Tantalum	10 μ F 10V				
C80-82	YGM1F104Z1ET	Ceramic	0.1 μ F 25V				
C83	K210A2R2R	Electrolytic	2.2 μ F 10V				
C84	YGM1F104Z1ET	Ceramic	0.1 μ F 25V				
C85	SK41C336MC	Tantalum	33 μ F 6.3V				
C86,87	YWSK41A476MC	Tantalum	47 μ F 10V				
C88	F3H0J2260003	Tantalum	22 μ F 6.3V				
C89	YWSK41A476MC	Tantalum	47 μ F 10V				
C90	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	ENCODER BOARD			
C91	YGM1C121J1HT	Ceramic	120 pF				
C92,100	YGM1F104Z1ET	Ceramic	0.1 μ F 25V				
C101	YWSK51A106MA	Tantalum	10 μ F 10V				
C102-105	YGM1F104Z1ET	Ceramic	0.1 μ F 25V				
C106	F1H1H102A190	Ceramic	1000 μ F 50V	PCB5 (RTL)	WE800PKY1A	Printed Circuit Board Ass'y for AW-E800	
C108	F3H1A4750001	Tantalum	4.7 μ F 10V		WE800EKY1A	Printed Circuit Board Ass'y for AW-E800E	
C109-111	YGM1F104Z1ET	Ceramic	0.1 μ F 25V		U1	C0ABBA000025	IC
C113	YWSK41A476MC	Tantalum	47 μ F 10V		U2	C0FBAF000010	IC
C114-120	YGM1F104Z1ET	Ceramic	0.1 μ F 25V		U4	C0ABBA000063	IC
C121	YWSK51A106MA	Tantalum	10 μ F 10V		U5	C0FBAF000010	IC
C122-125	YGM1F104Z1ET	Ceramic	0.1 μ F 25V		U6	C0ABBA000063	IC
C126	YWSK51A106MA	Tantalum	10 μ F 10V		U7	C0FBAF000010	IC
C127-131	YGM1F104Z1ET	Ceramic	0.1 μ F 25V		U8	F432532APGF	IC
C132	YWSK41A476MC	Tantalum	47 μ F 10V		U9	YWLM1881M	IC
C134	YGM1C470J1HT	Ceramic	47 pF	U11	C0JBAB000220	IC	
C135	F1H1H270A231	Ceramic	27 pF	U12	C0JBAB000003	IC	
C136	YGM1C220J1HT	Ceramic	22 pF	U13	C0JBZZ000138	IC	
C137	YGM1C470J1HT	Ceramic	47 pF	U14	C0JBAB000175	IC	
C138	F1H1H270A231	Ceramic	27 pF	U15	C0JBAZ000025	IC	
C139	YGM1C220J1HT	Ceramic	22 pF	U16	YULLW0106	IC	
C140	YGM1C470J1HT	Ceramic	47 pF	U17	C0JBZZ000138	IC	
C141	F1H1H270A231	Ceramic	27 pF	U18	C0JBAB000220	IC	
C142	YGM1C220J1HT	Ceramic	22 pF	U19	YULLW0031	IC for AW-E800E	
C143	SK41C336MC	Tantalum	33 μ F 6.3V	U20	YWMB40950	IC	
C144	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	U22	YWNJM2902VT1	IC	
TP1-6	YWRCT2125TPV	Terminal Pin		U23,24	C0JBAB000175	IC	
P1,2	K1MR70B00002	70-pin Connector		U25	UL1A530A	IC	
P3	K1JE50B00001	50-pin Connector		Q2	2SB1218AHL	Transistor	
P4	K1KA30A00083	30-pin Connector		Q3,4	2SC39310YL	Transistor	
P5	K1KB30A00061	30-pin Connector		Q5	2SB1218AHL	Transistor	
P7	K1KB80A00034	80-pin Connector		Q6	B1ABCF000059	Transistor	
P8	K1KB60A00050	60-pin Connector		Q7	2SC39310YL	Transistor	
P9	K1KB10B00008	10-pin Connector		Q8,9	B1ABCF000059	Transistor	
L1,2	G1C390J00001	Coil		Q10	2SC39310YL	Transistor	
L3	ELJFC4R7MF	Coil		Q11	B1ABCF000059	Transistor	
L4	G1C4R7J00002	Coil		Q12-14	2SC39310YL	Transistor	
L5-7	ELJFC4R7MF	Coil		Q15	2SD18200WL	Transistor	
X1	H0J120500001	Crystal Oscillator Unit		Q16	2SB1219AHL	Transistor	
X2	H1C2705B0005	Crystal Oscillator Unit		Q17	2SB1218AHL	Transistor	
M28	5G1A068B	Sheet		Q18,19	B1ABCF000059	Transistor	
M29	ASB2607	Spacer		Q20-22	2SC39310YL	Transistor	
M30	ASB2608	Spacer		Q23	2SD18200WL	Transistor	
M31	1E1A020A	Heat Sink		Q24	2SB1219AHL	Transistor	
M32	5H1A056A	Insulator		Q25	B1ABCF000059	Transistor	
				Q26	2SB1218AHL	Transistor	
				Q27	B1ABCF000059	Transistor	
				Q28	2SC39310YL	Transistor	
				Q29	B1ABCF000059	Transistor	
				Q30-32	2SC39310YL	Transistor	

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
Q33	2SD18200WL	Transistor	R38	ERJ3GEYJ394	Carbon 390K ohms 1/16W
Q34	2SB1219AHL	Transistor	R39	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q35-38	XP0460100L	Transistor	R40	ERJ3RHD682V	Metal 6.8K ohms 1/16W
Q39,40	2SK106945TL	Transistor	R41	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
Q42	2SD1819ARSTX	Transistor for AW-E800	R42	ERJ3RHD222V	Metal 2.2K ohms 1/16W
Q43	B1ABAC000008	Transistor	R43	ERJ3RHD202V	Metal 2K ohms 1/16W
Q44	2SD1819ARSTX	Transistor	R44	ERJ3RHD911V	Metal 910 ohms 1/16W
Q45	2SK106945TL	Transistor	R45-48	ERJ3GEYJ100	Carbon 10 ohms 1/16W
Q46	XP0460100L	Transistor	R49	ERJ3GEYF680V	Carbon 68 ohms 1/16W
Q47	2SD1819ARSTX	Transistor	R50	ERJ3RHD472V	Carbon 4.7K ohms 1/16W
Q48	2SK106945TL	Transistor	R51	ERJ3RHD392V	Carbon 3.9K ohms 1/16W
Q49	XP0460100L	Transistor	R52	ERJ3RHD472V	Carbon 4.7K ohms 1/16W
Q50	2SD1819ARSTX	Transistor	R53	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W
Q51	2SK106945TL	Transistor	R54	ERJ3GEYJ102	Carbon 1K ohms 1/16W
Q52	XP0460100L	Transistor	R55	ERJ3GEYJ182	Carbon 1.8K ohms 1/16W
Q53	2SB1218AHL	Transistor for AW-E800	R56	ERJ3GEYJ221	Carbon 220 ohms 1/16W
D1	MA3J14300L	Diode	R58	ERJ3RHD202V	Metal 2K ohms 1/16W
D3,4	YWHVU359TRF	Diode	R59	ERJ3GEYJ102	Carbon 1K ohms 1/16W
D8,9	YWHVU359TRF	Diode	R60	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
R1-3	ERJ3GEYJ473	Carbon 47K ohms 1/16W	R61	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-E800E
R4	ERJ3GEY0R00	Carbon 0 ohm 1/16W		ERJ3RHD471V	Metal 470 ohms 1/16W for AW-E800
R7	ERJ3GEYJ752V	Carbon 7.5K ohms 1/16W			
R8	ERJ3GEYJ750	Carbon 75 ohms 1/16W	R62	ERJ3GEY0R00	Carbon 0 ohm 1/16W for AW-E800E
R9	ERJ3GEYJ303V	Carbon 30K ohms 1/16W		ERJ3RHD221V	Metal 220 ohms 1/16W for AW-E800
R11	ERJ3GEYJ202V	Carbon 2K ohms 1/16W			
R12	ERJ3GEYJ684	Carbon 680K ohms 1/16W	R63,64	ERJ3RHD473V	Metal 47K ohms 1/16W
R13	ERJ3GEYJ103	Carbon 10K ohms 1/16W	R65,66	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R14	ERJ3GEYJ202V	Carbon 2K ohms 1/16W	R67,68	ERJ3RHD912V	Metal 9.1K ohms 1/16W
R15	ERJ3GEYJ220	Carbon 22 ohms 1/16W	R69	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R16	ERJ3GEYJ182	Carbon 1.8K ohms 1/16W	R70	ERJ3GEYJ564V	Carbon 560K ohms 1/16W
R17	ERJ3GEYJ912V	Carbon 9.1K ohms 1/16W	R71	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R18,19	ERJ3GEYJ102	Carbon 1K ohms 1/16W	R72	ERJ3RHD682V	Metal 6.8K ohms 1/16W
R20	ERJ3GEYJ512V	Carbon 5.1K ohms 1/16W	R73	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R21	ERJ3GEY0R00	Carbon 0 ohm 1/16W	R74	ERJ3RHD222V	Metal 2.2K ohms 1/16W
R22	ERJ3GEYJ101	Carbon 100 ohms 1/16W	R75	ERJ3RHD202V	Metal 2K ohms 1/16W
R23	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W	R76-79	ERJ3GEYJ100	Carbon 10 ohms 1/16W
R24	ERJ3RHD562V	Metal 5.6K ohms 1/16W	R80	ERJ3GEY0R00	Carbon 0 ohm 1/16W
R25	ERJ3GEYJ151	Carbon 150 ohms 1/16W for AW-E800E	R81	ERJ3GEYF680V	Carbon 68 ohms 1/16W
	ERJ3GEYJ361V	Carbon 360 ohms 1/16W for AW-E800	R82	ERJ3GEY0R00	Carbon 0 ohm 1/16W
			R83	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R84	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R26	ERJ3RHD562V	Metal 5.6K ohms 1/16W	R85	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
R27	ERJ3GEYJ151	Carbon 150 ohms 1/16W for AW-E800E	R86-88	ERJ3GEYJ102	Carbon 1K ohms 1/16W
	ERJ3RHD241V	Metal 240 ohms 1/16W for AW-E800	R89	ERJ3RHD132V	Metal 1.3K ohms 1/16W
			R90	ERJ3GEYJ390V	Carbon 39 ohms 1/16W for AW-E800E
				ERJ3RHD151V	Metal 150 ohms 1/16W for AW-E800
R28	ERJ3RHD272V	Metal 2.7K ohms 1/16W			
R29	ERJ3GEYJ182	Carbon 1.8K ohms 1/16W			
R30	ERJ3GEYJ101	Carbon 100 ohms 1/16W	R91	ERJ3RHD132V	Metal 1.3K ohms 1/16W
R31	ERJ3GEYJ681	Carbon 680 ohms 1/16W	R92	ERJ3GEYJ820	Carbon 82 ohms 1/16W for AW-E800E
R32	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W		ERJ3RHD121V	Metal 120 ohms 1/16W for AW-E800
R33	ERJ3RHD272V	Metal 2.7K ohms 1/16W			
R34	ERJ3GEYJ182	Carbon 1.8K ohms 1/16W	R93	ERJ3GEYJ182	Carbon 1.8K ohms 1/16W
R35	ERJ3GEYJ101	Carbon 100 ohms 1/16W	R94	ERJ3RHD272V	Metal 2.7K ohms 1/16W
R36	ERJ3GEYJ362V	Carbon 3.6K ohms 1/16W			
R37	ERJ3GEYJ101	Carbon 100 ohms 1/16W			

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R95	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R145	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R96	ERJ3GEYJ362V	Carbon	3.6K ohms 1/16W	R146	ERJ3GEYJ102	Carbon	1K ohms 1/16W for AW-E800E
R97	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R148,153	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R98	ERJ3GEYJ105	Carbon	1M ohms 1/16W	R154	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R99	ERJ3GEYJ103	Carbon	10K ohms 1/16W				
R100	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R155	ERJ3GEYJ105	Carbon	1M ohms 1/16W
R101	ERJ3RHD472V	Metal	4.7K ohms 1/16W	R156,157	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R102	ERJ3RHD222V	Metal	2.2K ohms 1/16W	R158	ERJ3GEY0R00	Carbon	0 ohms 1/16W
R103	ERJ3RHD202V	Metal	2K ohms 1/16W	R159	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R104	ERJ3RHD911V	Metal	910 ohms 1/16W	R160	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R105-108	ERJ3GEYJ100	Carbon	10 ohms 1/16W	R161	ERJ3GEYJ561	Carbon	560 ohms 1/16W
R109	ERJ3GEYF680V	Carbon	68 ohms 1/16W	R162	ERJ3GEYJ272	Carbon	2.7K ohms 1/16W
R110	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R164	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R111	ERJ3RHD911V	Metal	910 ohms 1/16W	R170	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R112	ERJ3GEYJ272	Carbon	2.7K ohms 1/16W	R171	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R113	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R173-175	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R114	ERJ3GEYJ512V	Carbon	5.1K ohms 1/16W	R176	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R115,116	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R177	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W
R117	ERJ3GEYJ105	Carbon	1M ohms 1/16W	R178	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R118,119	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R179	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R120	ERJ3GEYJ751V	Carbon	750 ohms 1/16W for AW-E800E	R180	ERJ3GEYJ102	Carbon	1K ohms 1/16W
	ERJ3GEYJ271	Carbon	270 ohms 1/16W for AW-E800	R181	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R121,122	ERJ3GEYJ225	Carbon	2.2M ohms 1/16W	R182	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W
R124	ERJ3GEYJ103	Carbon	10K ohms 1/16W for AW-E800E	R183	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
	ERJ3GEYJ473	Carbon	47K ohms 1/16W for AW-E800	R184	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R125	ERJ3GEYJ471	Carbon	470 ohms 1/16W for AW-E800E	R185	ERJ3GEYJ102	Carbon	1K ohms 1/16W
	ERJ3GEYJ102	Carbon	1K ohms 1/16W for AW-E800	R186	ERJ3GEYJ362V	Carbon	3.6K ohms 1/16W
R126	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R187	ERJ3GEYJ272	Carbon	2.7K ohms 1/16W
R127	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R188	D3EA34710001	Variable Resistor	470 ohms 1/5W
R128	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R189	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R129	ERJ3GEYJ271	Carbon	270 ohms 1/16W	R190	D3EA34710001	Variable Resistor	470 ohms 1/5W
R131	ERJ3GEY0R00	Carbon	0 ohm 1/16W for AW-E800	R191	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R132	D3EA34710001	Variable Resistor	470 ohms 1/5W	R192	D3EA31030003	Variable Resistor	10K ohms 1/5W for AW-E800E
R133	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R193-195	ERJ3GEYJ473	Carbon	47K ohms 1/16W for AW-E800
R134	ERJ3GEY0R00	Carbon	0 ohm 1/16W for AW-E800E	R196	ERJ3GEYJ152	Carbon	1.5K ohms 1/16W for AW-E800
R135	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R198	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R136	ERJ3GEYJ363V	Carbon	36K ohms 1/16W for AW-E800	R200	ERJ3RHD392V	Metal	3.9K ohms 1/16W
R137	ERJ3GEYJ102	Carbon	1K ohms 1/16W	RT201	D4B332500001	Thermo Sensing Resister	
R138	ERJ3GEYJ153	Carbon	15K ohms 1/16W	C1	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R139	ERJ3GEYJ203V	Carbon	20K ohms 1/16W	C4	YWSK51A106MA	Tantalum	10 µF 10V
R140	D3EA31030003	Variable Resistor	10K ohms 1/5W	C5,6	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R143	ERJ3GEYJ473	Carbon	47K ohms 1/16W	C7	YWSK51A106MA	Tantalum	10 µF 10V
R144	ERJ3GEYJ102	Carbon	1K ohms 1/16W for AW-E800E	C8-10	YGM1F104Z1ET	Ceramic	0.1 µF 25V
R144	ERJ3GEYJ331	Carbon	300 ohms 1/16W for AW-E800	C13	YWSK51A106MA	Tantalum	10 µF 10V
				C14,15	YGM1F104Z1ET	Ceramic	0.1 µF 25V
				C16	YWSK51A106MA	Tantalum	10 µF 10V
				C17-19	YGM1F104Z1ET	Ceramic	0.1 µF 25V
				C22	YWSK51A106MA	Tantalum	10 µF 10V
				C23,24	YGM1F104Z1ET	Ceramic	0.1 µF 25V
				C25	YWSK51A106MA	Tantalum	10 µF 10V
				C26,27	YGM1F104Z1ET	Ceramic	0.1 µF 25V
				C31	F3F1C1060002	Tantalum	10 µF 16V
				C32,33	YGM1F104Z1ET	Ceramic	0.1 µF 25V

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
C34	YWSK51A106MA	Tantalum	10 μ F 10V	C87	SK31A475KRA	Tantalum	4.7 μ F 10V
C35	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C88,89	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C36	F3H1A2260003	Tantalum	22 μ F 10V	C91	SK21A225KRA	Tantalum	2.2 μ F 10V
C37	F1H1H270A231	Ceramic	27 pF	C92	YGM1B103K1HT	Ceramic	0.01 μ F
C38	YGM1C470J1HT	Ceramic	47 pF				for AW-E800E
C39	YGM1C220J1HT	Ceramic	22 pF		F1H1HE223A002	Ceramic	0.022 μ F
C40,41	GRM9CH050C5H	Ceramic	5 pF				for AW-E800
C42	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C93	SK41A107ME	Tantalum	100 μ F 10V
C43	F3H0J2260003	Tantalum	22 μ F 6.3V	C94	YWSK51A106MA	Tantalum	10 μ F 10V
C44	YWSK51A106MA	Tantalum	10 μ F 10V				for AW-E800E
C45	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C95	SK31A475KRA	Tantalum	4.7 μ F 10V
C46	YWSK51A106MA	Tantalum	10 μ F 10V	C98	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C47	SK41C336MC	Tantalum	33 μ F 6.3V	C99	SK31A475KRA	Tantalum	4.7 μ F 10V
C48	YGM1C020C1HT	Ceramic	2 pF	C100	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C49	GRM9CH151J5H	Ceramic	150 pF	C101	YWSK51A106MA	Tantalum	10 μ F 10V
C50	YGM1C560J1HT	Ceramic	56 pF	C102	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
			for AW-E800E	C103	YGM1B103K1HT	Ceramic	0.01 μ F
	F1H1H330A231	Ceramic	33 pF	C104	YWSK41A476MC	Tantalum	47 μ F 10V
			for AW-E800	C105-107	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C51-54	YWSK51A106MA	Tantalum	10 μ F 10V	C110,111	YGM1C471J1HT	Ceramic	470 pF
C55	SK41C336MC	Tantalum	33 μ F 6.3V	C113	F1H1H200A004	Ceramic	20 pF
C56	YGM1C040C1HT	Ceramic	4 pF	C114,116	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C57	YGM1C020C1HT	Ceramic	2 pF	C117	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C58	F3H1A2260003	Tantalum	22 μ F 10V	C118	F3F1C1060002	Tantalum	10 μ F 16V
C59	F1H1H270A231	Ceramic	27 pF	C119	5F224Z1VT	Ceramic	0.22 μ F
C60	YGM1C470J1HT	Ceramic	47 pF	C120	F3F1C1060002	Tantalum	10 μ F 16V
C61	YGM1C220J1HT	Ceramic	22 pF	C121	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C62	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C122	5F224Z1VT	Ceramic	0.22 μ F
C63	YGM1F105Z1AT	Ceramic	1 μ F	C123	F3F1C1060002	Tantalum	10 μ F 16V
C64	YWSK51A106MA	Tantalum	10 μ F 10V	C124	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C65	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	C125	F3F1C1060002	Tantalum	10 μ F 16V
C66	F3H0J2260003	Tantalum	22 μ F 6.3V	C126	5F224Z1VT	Ceramic	0.22 μ F
C67	YWSK51A106MA	Tantalum	10 μ F 10V	C127	F3F1C1060002	Tantalum	10 μ F 16V
C68	SK41C336MC	Tantalum	33 μ F 6.3V	C128,129	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C69	YGM1C020C1HT	Ceramic	2 pF	C130	F3F1C1060002	Tantalum	10 μ F 16V
C70	F3H1A2260003	Tantalum	22 μ F 10V	C131	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
C71-74	SK31A475KRA	Tantalum	4.7 μ F 10V	L1-6	G1C4R7J00002	Coil	
C75	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	L7-11	ELJFC4R7MF	Coil	
C76	YWSK40J686MC	Tantalum	68 μ F 6.3V	L12	G1C4R7J00002	Coil	
C77	SK31A475KRA	Tantalum	4.7 μ F 10V	FL1	YWNL4532S4R4	Filter for AW-E800E	
C78	YGM1F104Z1ET	Ceramic	0.1 μ F 25V		YWNL4532S3R6	Filter for AW-E800	
C79	F1H1H150A004	Ceramic	15 pF	FL2	YWCY4W078	Filter for AW-E800E	
C80	YGM1F105Z1AT	Ceramic	1 μ F		YWCY4W072	Filter for AW-E800	
C81	YGM1C471J1HT	Ceramic	470 pF	P1	K1KA60A00065	60-pin Connector	
C82	F1H1H200A004	Ceramic	20 pF	P2	K1KA80A00037	80-pin Connector	
			for AW-E800E	RT201	L311J332G502	Thermo Sensing Resistor for AW-E800E	
	YGM1C390J1HT	Ceramic	39 pF for AW-E800	X1	H0J177500009	Crystal Oscillator Unit for AW-E800E	
C83	YGM1C471J1HT	Ceramic	470 pF		H0J286500009	Crystal Oscillator Unit for AW-E800	
C84	GRM9CH101J5H	Ceramic	100 pF	X3	H0J283500009	Crystal Oscillator Unit for AW-E800E	
C85	K216A1R0R	Electrolytic	1 μ F 16V		H0J286500009	Crystal Oscillator Unit for AW-E800	
			for AW-E800E				
	F1K1E1040003	Ceramic	0.1 μ F for AW-E800				
C86	5X122K5VT	Ceramic	1200 pF 50V				

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
POWER BOARD			R25	ERJ3GEYJ103	Carbon 10K ohms 1/16W
PCB6 (RTL)	WE800EKB2A	Printed Circuit Board Ass'y	R26	ERJ3GEYJ102	Carbon 1K ohms 1/16W
	C0BBBA000024	IC	R27	ERJ3GEYJ103	Carbon 10K ohms 1/16W
	MC74HC161AF	IC	R28,29	ERJ3GEY0R00	Carbon 0 ohm 1/16W
	MC74HC4046AF	IC	R30	ERJ3GEYJ102	Carbon 1K ohms 1/16W
U1			R31	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
U2			R32	ERJ3GEYJ103	Carbon 10K ohms 1/16W
U3			R33	ERJ3GEYJ331	Carbon 330 ohms 1/16W
U4	C0ABAA000001	IC	R34	ERJ3RHD122V	Carbon 1.2K ohms 1/16W
U5,6	YWMB3782PF	IC	R35	ERJ3RHD273V	Metal 27K ohms 1/16W
U7	C0JBAE000004	IC	R36	ERJ3RHD302V	Metal 3K ohms 1/16W
Q1	B1DCCG000001	Transistor	R37	ERJ3GEYJ102	Carbon 1K ohms 1/16W
Q2	2SD1819ARSTX	Transistor	R38	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
Q3	2SB1218ALL	Transistor	R41	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q4	2SB07660HL	Transistor	R42	ERJ3GEYJ101	Carbon 100K ohms 1/16W
Q5	2SD1819ARSTX	Transistor	R44	ERJ3RHD103V	Metal 10K ohms 1/16W
Q6	2SJ132Z-T1	Transistor	R45	ERJ3GEYJ330	Carbon 33 ohms 1/16W
Q7	2SD1819ARSTX	Transistor	R46	ERJ3RHD202V	Metal 2K ohms 1/16W
Q8	2SB1218ALL	Transistor	R47	ERJ3RHD123V	Metal 12K ohms 1/16W
Q9	B1BCGC000001	Transistor	R48	ERJ3RHD103V	Metal 10K ohms 1/16W
Q10	2SD1819ARSTX	Transistor	R50	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q11	2SJ132Z-T1	Transistor	R51	ERJ3GEYJ151	Carbon 150 ohms 1/16W
Q12	2SD1819ARSTX	Transistor	R52	ERJ3RHD303V	Metal 30K ohms 1/16W
Q13	2SB1218ALL	Transistor	R53	ERJ3RHD203V	Metal 20K ohms 1/16W
Q14	2SD1819ARSTX	Transistor	R54	ERJ3RHD103V	Metal 10K ohms 1/16W
Q15	2SB1218ALL	Transistor	R55	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q16-18	2SJ132Z-T1	Transistor	R57-59	ERJ3GEYJ181	Carbon 180K ohms 1/16W
Q19	B1BCGC000001	Transistor	R60	ERJ3RHD473V	Metal 47K ohms 1/16W
Q20,21	2SD1819ARSTX	Transistor	R61	ERJ3RHD302V	Metal 3K ohms 1/16W
Q22,23	2SB1218ALL	Transistor	R62	ERJ3RHD103V	Metal 10K ohms 1/16W
Q24	2SD1819ARSTX	Transistor	R63	ERJ3GEYJ101	Carbon 100 ohms 1/16W
Q25	2SK1284-Z-E1	Transistor	R64	ERJ3RHD243V	Metal 24K ohms 1/16W
Q26	B1DCCG000001	Transistor	R65	ERJ3RHD223V	Metal 22K ohms 1/16W
Q27	2SK1133-T1B	Transistor	R66	ERJ3RHD103V	Metal 10K ohms 1/16W
Q28	2SJ132Z-T1	Transistor	R67	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q29	2SD1819ARSTX	Transistor	R68	ERJ3GEYJ331	Carbon 330 ohms 1/16W
Q30	2SB1218ALL	Transistor	R69	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q31	2SD1819ARSTX	Transistor	R70,71	ERJ3GEYJ331	Carbon 330 ohms 1/16W
Q32	2SB12190WL	Transistor	R72	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q37	2SB1218ALL	Transistor	R73	ERJ3RHD123V	Metal 12K ohms 1/16W
D2-8	YWSC80204R	Diode	R74	ERJ3RHD122V	Metal 1.2K ohms 1/16W
D10	YWSC80204R	Diode	R76,77	ERJ3RHD103V	Metal 10K ohms 1/16W
D11	MAZ508200L	Diode	R78	ERJ3GEYJ914V	Carbon 910K ohms 1/16W
D12	YWMA3062MTX	Diode	R79	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R1	ERJ3RHD163V	Metal 16K ohms 1/16W	R80	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R2	ERJ3RHD822V	Metal 8.2K ohms 1/16W	R81,82	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
R13,14	ERJ3RHD103V	Metal 10K ohms 1/16W	R83,84	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R15	ERJ3GEYJ102	Carbon 1K ohms 1/16W	R85,86	ERJ3GEYJ473	Carbon 47K ohms 1/16W
R16	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W	R87	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
R17	ERJ3RHD153V	Metal 15K ohms 1/16W	R88	ERJ3GEYJ102	Carbon 1K ohms 1/16W
R18	ERJ3RHD103V	Metal 10K ohms 1/16W	R89	ERJ3GEYJ821	Carbon 820 ohms 1/16W
R19-21	ERJ3GEYJ103	Carbon 10K ohms 1/16W	R90,91	ERJ3GEYJ103	Carbon 10K ohms 1/16W
R23	ERJ3GEYJ511V	Carbon 510 ohms 1/16W	R93	ERJ3GEYJ101	Carbon 100 ohms 1/16W
R24	ERJ3GEYJ223	Carbon 22K ohms 1/16W	R94	ERJ3GEYJ912V	Carbon 9.1K ohms 1/16W
			R95	ERJ3GEYJ203V	Carbon 20K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R96,97	ERJ3GEYJ623V	Carbon	62K ohms 1/16W	C57	SK21A225KRA	Tantalum	2.2 μ F 10V
R98,99	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C58,59	YGM1F104Z1ET	Ceramic	0.1 μ F 25V
R100	ERJ3GEYJ104V	Carbon	100K ohms 1/16W	C60,61	YGM1B104Z1CT	Ceramic	0.1 μ F 25V
R101	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C62,63	YGM1F105Z1AT	Ceramic	1 μ F
R112	ERJ3GEYJ512V	Carbon	5.1K ohms 1/16W	C73	SK21A225KRA	Tantalum	2.2 μ F 10V
R116	ERJ3GEYJ302V	Carbon	3K ohms 1/16W	C74	SK31C476MRD0	Tantalum	47 μ F 16V
R117	ERJ3GEYJ301	Carbon	300 ohms 1/16W	C82	YGM1F105Z1AT	Ceramic	1 μ F
R118	ERJ3RHD272V	Metal	2.7K ohms 1/16W	C85	K216A1R0R	Electrolytic	1 μ F 16V for AW-E800E
R121	ERJ3RHD822V	Metal	8.2K ohms 1/16W		F1K1E1040003	Ceramic	0.1 μ F 25V for AW-E800
R122	ERJ3RHD362V	Metal	3.6K ohms 1/16W				
R124-127	ERJ3RHD103V	Metal	10K ohms 1/16W	C100	YGM1F104Z1ET	Ceramic	0.1 μ F 25V for AW-E800E
R128	ERJ3RHD153V	Metal	15K ohms 1/16W	L1	CDPH73-391	Choke Coil	
R129	ERJ3RHD102V	Metal	1K ohms 1/16W	L2	G1C560K00010	Choke Coil	
R138	ERJ3RHD103V	Metal	10K ohms 1/16W	L3	G1C101M00009	Choke Coil	
R139	ERJ3RHD362V	Metal	3.6K ohms 1/16W	L4	G1C560M00004	Choke Coil	
R144,168	ERJ3GEY0R00	Carbon	0 ohm 1/16W	L5	G1C151J00003	Choke Coil	
R179	ERJ3GEYJ753V	Carbon	75K ohms 1/16W	L6	G1C560Z00003	Choke Coil	
R180	ERJ3GEYJ683	Carbon	68K ohms 1/16W	L7	G1C820M00002	Choke Coil	
R181	ERJ3GEYJ102	Carbon	1K ohms 1/16W	L8	G1C221Z00002	Choke Coil	
R182	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	L9,16	G1C220M00003	Choke Coil	
R183	ERJ3GEYJ203V	Carbon	20K ohms 1/16W	SF1	K5H202A00002	Special Fuse for AW-E800E	
C6	YGM1F104Z1ET	Ceramic	0.1 μ F 25V		K5H202A00003	Special Fuse for AW-E800	
C8	YGM1C102J1ET	Ceramic	1000 pF	CF1,2	J0JHA0000001	Special Filter	
C9	GRM9B472K5H	Ceramic	4700 pF	JK1	0740-010618	Power Jack	
C10	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	P1	K1MR70B00001	70-pin Connector	
C11	F1H1A2240001	Ceramic	0.22 μ F 10V	P2	K1KA12B00002	12-pin Connector	
C13,14	YGM1F104Z1ET	Ceramic	0.1 μ F 25V	P3	YW524651891	18-pin Connector	
C15	F1H1H473A199	Ceramic	0.047 μ F 50V	E1,2	YWRCT2125TPV	Terminal Pin	
C16	YW20SM33M	Electrolytic	33 μ F 20V	E4,5	YWRCT2125TPV	Terminal Pin	
C17	ECA1CHG471	Electrolytic	470 μ F 16V	M34	5G1A102A	Heat Sink	
C19	YW20SA100M	Electrolytic	100 μ F 20V				
C20	F1H1H102A190	Ceramic	1000 μ F 50V				
C21	ECGC0JB680RA	Electrolytic	68 μ F 6.3V				
C22	GRM9CH120J5H	Ceramic	12 pF				
C23	F2H1A4710001	Electrolytic	470 μ F 10V				
C25	F1H1H102A190	Ceramic	1000 μ F 50V				
C26	ECEGC0JB680RA	Electrolytic	68 μ F 6.3V				
C27	F2H1A4710001	Electrolytic	470 μ F 10V				
C29	F1H1H102A190	Ceramic	1000 μ F 50V				
C30	ECGC1BB330RA	Electrolytic	33 μ F 12.5V				
C31	YGM1B103K1HT	Ceramic	0.01 μ F				
C32	F2H1A4710001	Electrolytic	470 μ F 10V				
C33	YW20SM33M	Electrolytic	33 μ F 20V				
C34	F2H1E2210001	Electrolytic	220 μ F 25V				
C35	F1H1H102A190	Ceramic	1000 μ F 50V				
C37	YGM1F104Z1ET	Ceramic	0.1 μ F 25V				
C38	ECA1EHG471	Electrolytic	470 μ F 25V				
C39,40	YGM1F104Z1ET	Ceramic	0.1 μ F 25V				
C41	YGM1B103K1HT	Ceramic	0.01 μ F				
C42-44	YGM1F104Z1ET	Ceramic	0.1 μ F 25V				
C45	YGM1F105Z1AT	Ceramic	1 μ F				
C47,52	YGM1F104Z1ET	Ceramic	0.1 μ F 25V				
C54	YGM1B103K1HT	Ceramic	0.01 μ F				
C55	YGM1F104Z1ET	Ceramic	0.1 μ F 25V				
C56	ECA1EHG471	Electrolytic	470 μ F 25V				
POWER SUB BOARD							
PCB7 (RTL)	WE800EKC2A	Printed Circuit Board Ass'y					
D1	LN277RPX	Diode					
R1	ERJ3GEYJ182	Carbon					
CF1,2	J0JDC0000009	Special Filter					
CF3-5	J0MAB0000001	Filter					
CF6	F1L1H2040003	Filter					
CF7,8	J0MAB0000001	Filter					
P1	YW533091891	18-pin Connector					
P2	HR10A10R12SB	12-pin Connector					
P3,4	YWBNCDRD	Connector					
M35	YW1B1B010A	Mounting Parts					
M36	YWLH55	Spacer					

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
ACCESSORY PARTS / PACKAGING PARTS					
M41	5G1A073A	Rubber Sheet			
M42	YWT050803	Polyethylene Bag			
M43	YWW2TA1045A3	Mounting Bracket			
M44	YWT10X10C03	Polyethylene Bag			
M45	△ 7J1A402B	Operating Instructions for AW-E800			
	7J1A380B	Operating Instructions for AW-E800E			
M47	0C1A073AB	Packing Ass'y for AW-E800			
	0C1A073AC	Packing Ass'y for AW-E800E			

